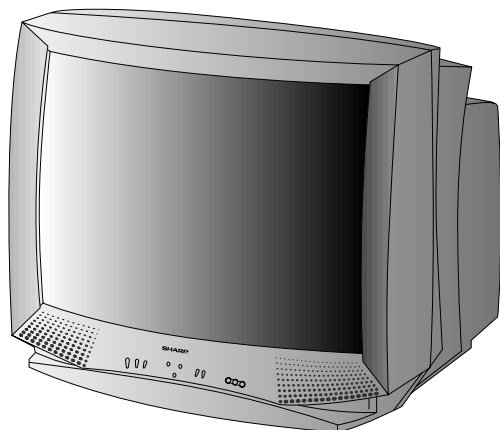


SHARP**SERVICE MANUAL**

S68S832KX1000

**COLOR TELEVISION****Chassis No. SN-83****32K-X2000****36K-X2000****CK32S60****CK36S60****MODELS**

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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ELECTRICAL SPECIFICATIONS

POWER INPUT 120V AC 60 Hz

POWER RATING

32K-X2000,CK32S60 150W

36K-X2000,CK36S60 165W

PICTURE SIZE32K-X2000,CK32S60 3,073cm² (476sq inch)36K-X2000,CK36S60 3,905cm² (605sq inch)

CONVERGENCE Magnetic

SWEEP DEFLECTION Magnetic

FOCUS Hi-Bi-Potential Electrostatic

INTERMEDIATE FREQUENCIES

Picture IF Carrier Frequency 45.75 MHz

Sound IF Carrier Frequency 41.25 MHz

Color Sub-Carrier Frequency 42.17 MHz
(Nominal)**AUDIO POWER OUTPUT RATING**

..... 3W + 3W (at 10% distortion and Dual CH Operate)

SPEAKER

SIZE 12 x 6 cm (2 pcs.)

VOICE COIL IMPEDANCE 6 ohm at 400 Hz

ANTENNA INPUT IMPEDANCE

VHF/UHF 75 ohm Unbalanced

TUNING RANGES

VHF-Channels 2 thru 13

UHF-Channels 14 thru 69

CATV Channels 1 thru 125
(EIA, Channel Plan U.S.A.)

Specifications are subject to change without prior notice.

SHARP CORPORATION

This document has been published to be used for after sales service only.

The contents are subject to change without notice.

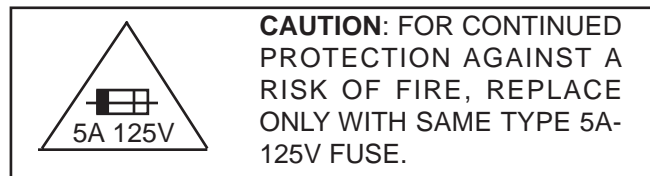
IMPORTANT SERVICE SAFETY PRECAUTION

- **Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:**

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.
3. Semiconductor heat sinks are potential shock hazards when the chassis is operating.
4. The chassis in this receiver has two ground systems which are separated by insulating material. The non-isolated (hot) ground system is for the B+ voltage regulator circuit and the horizontal output circuit. The isolated ground system is for the low B+ DC voltages and the secondary circuit of the high voltage transformer.

To prevent electrical shock use an isolation transformer between the line cord and power receptacle, when servicing this chassis.



SERVICING OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove the static charge by connecting a 10k ohm resistor in series with an insulated wire (such as a test probe) between the picture tube ground and the anode lead. (AC line cord should be disconnected from AC outlet.)

1. Picture tube in this receiver employs integral implosion protection.
2. Replace with tube of the same type number for continued safety.
3. Do not lift picture tube by the neck.
4. Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage anode completely.

X-RADIATION AND HIGH VOLTAGE LIMITS

1. Be sure all service personnel are aware of the procedures and instructions covering X-radiation. The only potential source of X-ray in current solid state TV receivers is the picture tube. However, the picture tube does not emit measurable X-Ray radiation, if the high voltage is as specified in the "High Voltage Check" instructions.

It is only when high voltage is excessive that X-radiation is capable of penetrating the shell of the picture tube including the lead in the glass material. The important precaution is to keep the high voltage below the maximum level specified.

2. It is essential that servicemen have available at all times an accurate high voltage meter. The calibration of this meter should be checked periodically.
3. High voltage should always be kept at the rated value –no higher. Operation at higher voltages may cause a failure of the picture tube or high voltage circuitry and;also, under certain conditions, may produce radiation in exceeding of desirable levels.
4. When the high voltage regulator is operating properly there is no possibility of an X-radiation problem. Every time a colour chassis is serviced, the brightness should be tested while monitoring the high voltage with a meter to be certain that the high voltage does not exceed the specified value and that it is regulating correctly.
5. Do not use a picture tube other than that specified or make unrecommended circuit modifications to the high voltage circuitry.
6. When trouble shooting and taking test measurements on a receiver with excessive high voltage, avoid being unnecessarily close to the receiver. Do not operate the receiver longer than is necessary to locate the cause of excessive voltage.

IMPORTANT SERVICE SAFETY PRECAUTION

(Continued)

BEFORE RETURNING THE RECEIVER

(Fire & Shock Hazard)

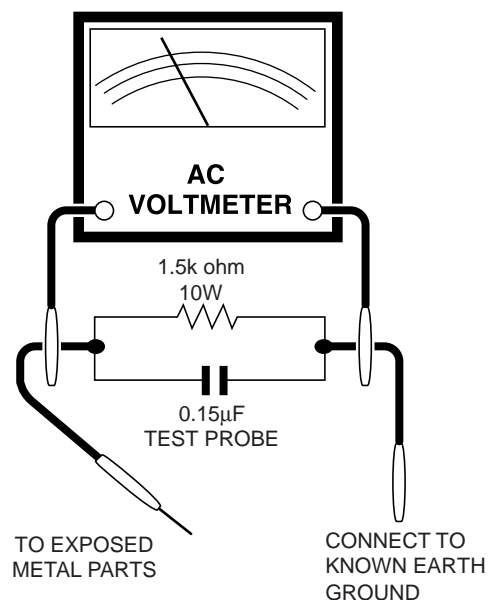
Before returning the receiver to the user, perform the following safety checks.

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.
 - Plug the AC cord directly into a 120 volt AC outlet, (Do not use an isolation transformer for this test).
 - Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 μ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to earth ground.
 - Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor.

- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC ine cord plug connection reversed. (If necessary, a non-polarized adapter plug must be used only for the purpose of completing these check.)

Any current measured must not exceed 0.5 milliamp. Any measurements not within the limits outlined above indicate of a potential shock hazard and corrective action must be taken before returning the instrument to the customer.



SAFETY NOTICE

Many electrical and mechanical parts in television receivers have special safety-related characteristics. These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by " \triangle " and shaded areas in the **Replacement Parts Lists** and **Schematic Diagrams**.

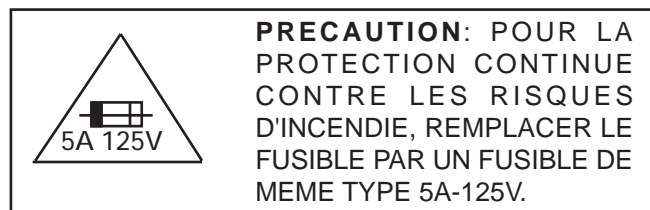
For continued protection, replacement parts must be identical to those used in the original circuit. The use of substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire, X-radiation or other hazards.

PRECAUTIONS A PRENDRE LORS DE LA REPARATION

- **Ne peut effectuer la réparation qu'un technicien spécialisé qui s'est parfaitement accoutumé à toute vérification de sécurité et aux conseils suivants.**

AVERTISSEMENT

1. N'entreprendre aucune modification de tout circuit. C'est dangereux.
2. Débrancher le récepteur avant toute réparation.
3. Les déversoirs thermiques à semi-conducteurs peuvent présenter un danger de choc électrique lorsque le récepteur est en marche.
4. Le châssis de ce récepteur possède deux systèmes de masse qui sont séparées par du matériel d'isolation. Le système de masse non-isolée (sous tension) est pour le circuit du régulateur de tension B+ et le circuit de sortie horizontale. Le système de masse isolée est pour les tensions DC B+ basses et le circuit secondaire du transformateur haute tension. Pour éviter tout risque d'électrocution lors de l'entretien de ce châssis, utiliser un transformateur d'isolation entre le cordon de ligne et la prise de courant.



REPARATION DU SYSTEME A HAUTE TENSION ET DU TUBE-IMAGE

Lors de la réparation de ce système, supprimer la charge statique en branchant une résistance de 10 kΩ en série avec un fil isolé (comme une sonde d'essai) entre la mise à la terre du tube-image et le fil d'anode. (Le cordon d'alimentation doit être retiré de la prise murale.)

1. Le tube image dans ce récepteur emploie une protection intégrée contre l'implosion.
2. Par mesure de sécurité, changer le tube-image pour un tube du même numéro de type.
3. Ne pas lever le tube-image par son col.
4. Ne manipuler le tube-image qu'en portant des lunettes incassables et qu'après avoir déchargé totalement la haute tension.

LIMITES DES RADIATIONS X ET DE LA HAUTE TENSION

1. Tout le personnel réparateur doit être instruit des instructions et procédés relatifs aux radiations X. Le tube-image, seule source de rayons X dans les téléviseurs transistorisés, n'émet pourtant pas de rayons mesurables si la haute tension est maintenue à un niveau préconisé dans la section "Vérification de la haute tension". C'est seulement quand la haute tension est excessive que les rayons X peuvent entrer dans l'enveloppe du tube-image y compris le conducteur de verre. Il est important de maintenir la haute tension en-dessous du niveau spécifié.
2. Il est essentiel que le réparateur ait sous la main un voltmètre à haute tension qui doit être périodiquement étalonné.
3. La haute tension doit toujours être maintenue à la valeur de régime -et pas plus haute. L'opération à des tensions plus élevées peut entraîner une panne du tube-image ou du circuit à haute tension et, dans certaines conditions, peut entraîner une radiation dépassant les niveaux prescrits.
4. Quand le régulateur à haute tension fonctionne correctement, il n'y a aucun problème de radiation X. Chaque fois qu'un châssis couleurs est réparé, la luminosité doit être examinée tout en contrôlant la haute tension à l'aide d'un voltmètre pour s'assurer que la haute tension ne dépasse pas la valeur spécifiée et qu'elle soit correctement réglée.
5. Ne pas utiliser un tube-image autre que celui spécifié et ne pas effectuer de modifications déconseillées du circuit à haute tension.
6. Lors de la recherche des pannes et des mesures d'essai sur un récepteur qui présente une haute tension excessive, éviter de s'approcher inutilement du récepteur.
Ne pas faire fonctionner le récepteur plus longtemps que nécessaire pour localiser la cause de la tension excessive.

PRECAUTIONS A PRENDRE LORS DE LA REPARATION

(Suite)

VERIFICATIONS CONTRE L'INCEN-DIE ET LE CHOC ELECTRIQUE

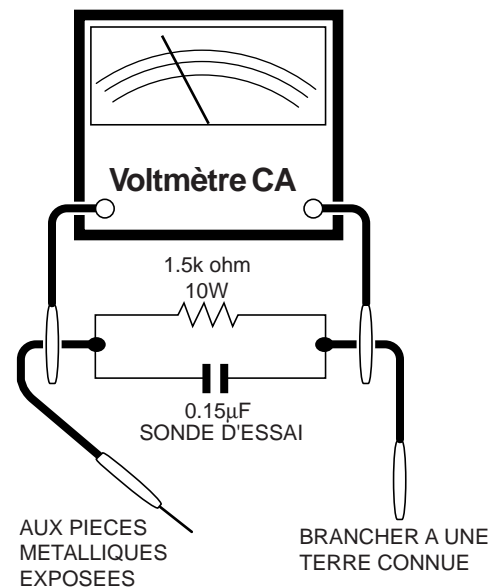
Avant de rendre le récepteur à l'utilisateur, effectuer les vérifications suivantes.

1. Inspecter tous les faisceaux de câbles pour s'assurer que les fils ne soient pas pincés ou qu'un outil ne soit pas placé entre le châssis et les autres pièces métalliques du récepteur.
2. Inspecter tous les dispositifs de protection comme les boutons de commande non-métalliques, les isolants, le dos du coffret, les couvercles ou blindages de réglage et de compartiment, les réseaux de résistance-capacité, les isolateurs mécaniques, etc.
3. S'assurer qu'il n'y ait pas de danger d'électrocution en vérifiant la fuite de courant, de la façon suivante:
 - Brancher le cordon d'alimentation directement à une prise de courant de 120V. (Ne pas utiliser de transformateur d'isolation pour cet essai).
 - A l'aide de deux fils à pinces, brancher une résistance de 1,5 k Ω 10 watts en parallèle avec un condensateur de 0,15 μ F en série avec toutes les pièces métalliques exposées du coffret et une terre connue comme une conduite électrique ou une prise de terre branchée à la terre.
 - Utiliser un voltmètre CA d'une sensibilité d'au moins 5000 Ω /V pour mesurer la chute de tension en travers de la résistance.

- Toucher avec la sonde d'essai les pièces métalliques exposées qui présentent une voie de retour au châssis (antenne, coffret métallique, tête des vis, arbres de commande et des boutons, écusson, etc.) et mesurer la chute de tension CA en-travers de la résistance. Toutes les vérifications doivent être refaites après avoir inversé la fiche du cordon d'alimentation. (Si nécessaire, une prise d'adaptation non polarisée peut être utilisée dans le but de terminer ces vérifications.)

Tous les courants mesurés ne doivent pas dépasser 0,5 mA.

Dans le cas contraire, il y a une possibilité de choc électrique qui doit être supprimée avant de rendre le récepteur au client.



AVIS POUR LA SECURITE

De nombreuses pièces, électriques et mécaniques, dans les téléviseurs présentent des caractéristiques spéciales relatives à la sécurité, qui ne sont souvent pas évidentes à vue. Le degré de protection ne peut pas être nécessairement augmentée en utilisant des pièces de remplacement étalonnées pour haute tension, puissance, etc.

Les pièces de remplacement qui présentent ces caractéristiques sont identifiées dans ce manuel; les pièces électriques qui présentent ces particularités sont

identifiées par la marque " ⚠ " et hachurées dans la liste des pièces de remplacement et les diagrammes schématiques.

Pour assurer la protection, ces pièces doivent être identiques à celles utilisées dans le circuit d'origine. L'utilisation de pièces qui n'ont pas les mêmes caractéristiques que les pièces recommandées par l'usine, indiquées dans ce manuel, peut provoquer des électrocutions, incendies, radiations X ou autres accidents.

LOCATION OF USER'S CONTROL

Quick Reference Control Operation

Location of Controls

(ENGLISH)

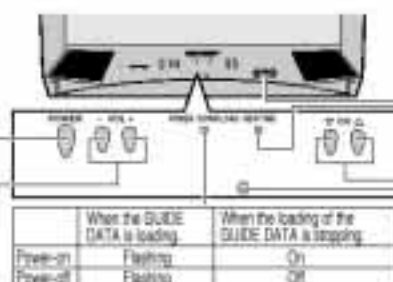
Front Panel

POWER

Press → On.
Press again → Off.

VOLUME UP/DOWN

(+) Increases sound.
(-) Decreases sound.



VIDEO/AUDIO IN 3 TERMINALS

(VIDEO/AUDIO terminals are also provided on the rear.)

Light up when the VIEW TIMER is set.

CHANNEL UP/DOWN

(▲) Selects next higher channel.
(▼) Selects next lower channel.

SENSOR AREA FOR REMOTE CONTROL

Basic Remote Control Functions

POWER

Press → On.
Press again → Off.

REMOTE KEYPAD

Accesses any channel from keypad.

FLASHBACK

Returns to previous channel.

PERSONAL PREFERENCE

With the Personal Preference buttons, you can program your favorite programs by using the 4 categories A, B, C and D. The channels can be accessed quickly by using these buttons. (See page 27.)

VOLUME UP/DOWN

(+) Increases sound.
(-) Decreases sound.
• In menu mode, changes or selects the TV adjustments.

TV-CATV MODE SELECT SWITCH

In TV position, sends power and channel select commands (Channel up/down and Random Access buttons) to the TV.

In CATV position, sends power and channel select commands to a cable TV converter.

VCR CONTROL

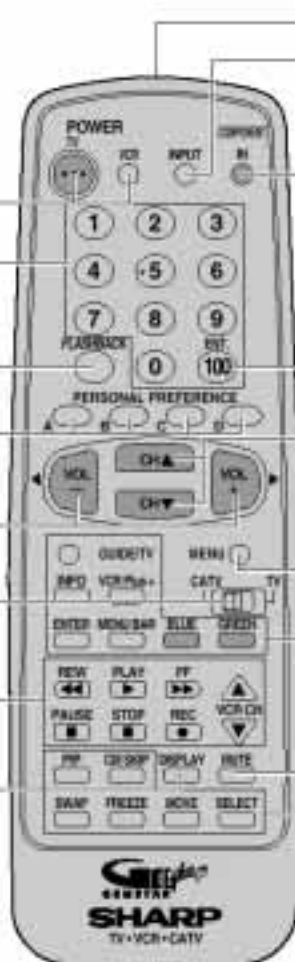
See page 31.

DISPLAY

Press → Display receiving channel for 4 seconds.

Press again → Displays remaining time of SLEEP TIMER and VIEW TIMER.

Press 3 times → Temporarily displays receiving channel when in Closed Caption mode.



Infrared Transmitter Window

INPUT

Press → Switch to external video INPUT 1 mode.
Press again → Switch to external video INPUT 2 mode.
Press 3 times → Switch to external video INPUT 3 mode.
Press 4 times → Switch back to the original TV mode.
See page 29.

COMPONENT INPUT

Used to when Input is from a DTV set box or from a DVD player that provide component input signals.

ENTER

Used in some instances where a VCR or Cable Converter Box requires an "enter" command after selecting channels, when using the REMOTE KEYPAD button. (See page 31)

CHANNEL UP/DOWN

(▲) Selects next higher channel.
(▼) Selects next lower channel.
• See pages 24 and 25 for channel presetting.
• Moves the "▶" mark of the MENU screens.

MENU

Press → Accesses MAIN MENU.
Press again → Exits MAIN MENU.

GUIDE Plus+ CONTROL

See pages 19-22.

MUTE

Press → Mutes sound.
Press again → Restores sound.
• CLOSED CAPTION appears when sound is muted.

PIP FUNCTION

You can watch two pictures at the same time.
See page 26.

Note:

- The above shaded buttons on the Remote Control glow in the dark. To use the glow-in-the-dark display on the remote control, place it under a fluorescent light or other lighting.
- The phosphorescent material contains no radioactive or toxic material, so it is safe to use.
- The degree of illumination will vary depending on the strength of lighting used.
- The degree of illumination will decrease with time and depending on the temperature.
- The time needed to charge the phosphorescent display will vary depending on the surrounding lighting.
- Sunlight and fluorescent lighting are the most effective when charging the display.

INSTALLATION AND SERVICE INSTRUCTIONS

- Note:** (1) When performing any adjustments to resistor controls and transformers use non-metallic screwdrivers or TV alignment tools.
(2) Before performing adjustments, the TV set must be on at least 15 minutes.

CIRCUIT PROTECTION

The receiver is protected by a 5.0A fuse (F701), mounted on PWB-C, wired into one side of the AC line input.

X-RADIATION PROTECTOR CIRCUIT TEST

After service has been performed on the horizontal deflection system, high voltage system, B+ system, test the X-Radiation protection circuit to ascertain proper operation as follows:

- 1) Apply 120V AC using a variac transformer for accurate input voltage.
- 2) Allow for warm up and adjust all customer controls for normal picture and sound.
- 3) Receive a good local channel.
- 4) Connect a digital voltmeter to TP653 and make sure that the voltmeter reads $11.8 \pm 0.7V$.
- 5) Apply external 14.5V DC at TP653 by using an external DC supply, TV must be shut off.
- 6) To reset the protector, unplug the AC cord and plug the AC cord power on. Now make sure that normal picture appears on the screen.
- 7) If the operation of the horizontal oscillator does not stop in step 5, the circuit must be repaired before the set is returned to the customer.

HIGH VOLTAGE CHECK

High voltage is not adjustable but must be checked to verify that the receiver is operating within safe and efficient design limitations as specified checks should be as follows:

1. Connect an accurate high voltage meter between ground and anode of picture tube.
2. Operate receiver for at least 15 minutes at 120V AC line voltage, with a strong air signal or a properly tuned in test signal.
3. Enter the service mode and select the service No. "S21" and Bus data "01" (Y-mute on).
4. The voltage should be approximately, 32.8kV(32K-X2000,CK32S60),33.4kV(36K-X2000,CK36S60).
(at zero beam)
If a correct reading cannot be obtained, check circuitry for malfunctioning components. After the voltage test, make Y-mute off to the normal mode.

For adjustments of this model, the bus data is converted to various analog signals by the D/A converter circuit.

Note: There are still a few analog adjustments in this series such as focus and master screen voltage. Follow the steps below whenever the service adjustment is required. See "Table-B" to determine, if service adjustments are required.

1. Service Mode

Before putting unit into the service mode, check that customer adjustments are in the normal mode. Use the reset function in the video adjustment menu to ensure customer controls are in their proper (reset) position.

2. Service Number Selection

Once in the service mode, press the Ch-up or Ch-down button on the remote controller or at the set. The service adjustment number will vary in increments of one, from "S01" to "G06". Select the item you wish to adjust.

3. Data Number Selection

Press the Vol-up or down button to adjust the data number.

To enter the service mode and exit service mode.

While pressing the Vol-up and Ch-up buttons at the sametime, plug the AC cord into a wall socket. Now the TV set is switched on and enters the service mode.
To exit the service mode, turn the television off by pressing the power button.

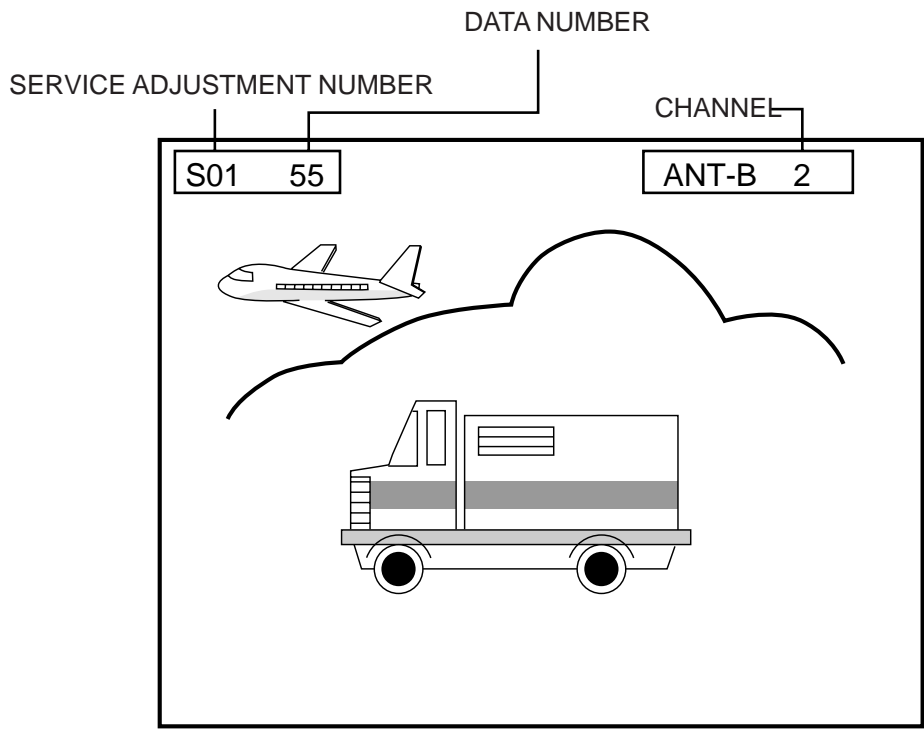


Figure A.

- To call up the service mode, hold down the CH UP and VOL UP keys of the unit at once and plug the AC power cord into a wall outlet. The unit switches on and comes in the service mode.
- Now hold down both the CH UP and CH DOWN keys of the unit for 2 seconds or longer. the above default values are written in the EEPROM.

SERVICE No.	ADJUSTMENT ITEM	VARIABLE DATA RANGE	INITIAL VALUE	FIXED VALUE	INPUT CONDITIONS	CONTROL DESTINATION
S01	PICTURE HEIGHT	00-127	71		RF signal input (TUNER-B) (or EXT. Video input)	Deflection processor IC (IC502) adjusted
S02	V-LINEARITY	00-31	27		"	"
S03	V- γ CORRECTION	00-63	40	40/37	"	"
S04	PICTURE WIDTH	00-63	50		"	"
S05	E-W PARABOLA	00-63	15		"	"
S06	E-W CORNER	00-31	13		"	"
S07	TRAPEZIUM	00-127	65		"	"
S08	AGC SW	00-01	1	01	"	"
S09	PICTURE (SUB CONTRAST)	00-31	28		"	"
S10	TINT	00-63	20		"	"
S11	COLOR (SUB COLOR)	00-31	13		"	"
S12	BRIGHT (BRIGHTNESS)	00-101	58		"	"
S13	SHARP (SHARPNESS)	00-27	5	05/00	"	"
S14	V-POSITION	00-07	0	00	"	"
S15	H-POSITION	00-31	17		"	"
S16	R CUT-OFF	00-255	64		"	"
S17	G CUT-OFF	00-255	64		"	"
S18	B CUT-OFF	00-255	64		"	"
S19	G (R) DRIVE	00-127	64		"	"
S20	B DRIVE	00-127	64		"	"
S21	Y-MUTE/V-OFF	00-02	0		"	00:NORMAL, 01:Y-mute, 03:Horizontal Y-mute
S22	Y- γ CURVE	00-03	0	03	"	VCJ IC (IC401) adjusted
S23	VSM PHASE	00-03	1	02	"	"
S24	APACON PEAK f0	00-07	1	01	"	"
S25	DC RESTORATION RATE	00-63	21	21	"	"
S26	DC RESTORATION LIMIT	00-03	0	00	"	"
S27	BLACK STRETCH POINT	00-07	3	03	"	"
S28	APL VS BPS	00-03	1	01	"	"
S29	B.L.C.	00-01	1	01	"	"
S30	DYNAMIC ABL POINT	00-07	4	04	"	"
S31	DYNAMIC ABL GAIN	00-07	4	04	"	"
S32	ABL POINT	00-07	3	03	"	"
S33	ABL GAIN	00-07	3	03	"	"
S34	Y-DL	00-01	1	00	"	"
S35	TOF-f0	00-07	4	07	"	"
S36	TOF-Q	00-07	4	04	"	"
S37	VSM GAIN	00-03	1	01	"	"
S38	OSD SL	00-01	0	00	"	"
S39	C-DECODE	00-255	105	161	"	"
S40	OSD POSITION	00-15	11		"	C. C. display positioning
M01	INPUT LEVEL (ATT)	00-15	7		"	MTS IC (IC3001) adjusted
M02	MTS VCO	00-63	37		"	"
M03	FILTER	00-63	30		"	"
M04	WIDE BAND	00-63	17		"	"
M05	SPECTRAL	00-63	22		"	"
M06	MTS DATA READ	00-1	0	Note1	"	Factory-adjusted only

00/00 is depended on picture size.
 Left value : 32K-X2000, CK32S60
 Right value : 36K-X2000, CK36S60

Table - A

SERVICE No.	ADJUSTMENT ITEM	VARIABLE DATA RANGE	INITIAL VALUE	FIXED VALUE	INPUT CONDITIONS	CONTROL DESTINATION
P01	PIP Y-LEVEL (CONTRAST)	00-127	43		"	P-IN-P adjusted
P02	PIP TINT (TINT)	00-63	41	37	"	"
P03	PIP COLOR (COLOR_SAT)	00-127	55		RF signal input (TUNER-B)	"
P04	Y-OFFSET (Y_OFFSET)	00-31	9	09	"	"
P05	PIP H-POS1 (HXA)	00-255	9	10	"	"
P06	BGP (HADJ)	00-15	0	00	"	"
P07	FREE RUN (FREE_RUN_ADJ)	00-15	11	11	"	"
C01	PICTURE-C (SUB CONTRAST)	00-31	28	17	Compornent signal input	VCJ IC (IC401) adjusted
C02	TINT-C	00-63	20	14	"	"
C03	COLOR-C (SUB COLOR)	00-63	13	8	"	"
C04	BRIGHT-C (BRIGHTNESS)	00-101	58		"	"
C05	SHARP-C (SHARPNESS)	00-27	5	05/00	"	"
C06	V-POSITION-C	00-07	0	00	"	"
C07	H-POSITION-C	00-31	19		"	"
C08	R CUT-OFF-C	00-255	64		"	"
C09	G CUT-OFF-C	00-255	64		"	"
C10	B CUT-OFF-C	00-255	64		"	"
C11	G (R) DRIVE-C	00-127	64		"	"
C12	B DRIVE-C	00-127	64		"	"
C13	VSM GAIN-C	00-03	2	02	"	"
A01	PICTURE-2	00-31	28		RF signal input (TUNER-A)	"
A02	TINT-2	00-63	20		"	"
A03	INPUT LEVEL-2	00-15	7		"	MTS IC (IC3001) adjusted
A04	WIDE BAND-2	00-63	17		"	"
A05	SPECTRAL-2	00-63	22		"	"
G01	TVGP+ OSD H-POS1	16-56	30		RF signal input	
G02	TVGP+ PIP H X A	00-255	22		RF signal input (Tuner-A. B)	
G03	TVGP+ PIP V X A	00-255	6		"	
G04	TVGP+ PICTURE HEIGHT	00-10	0	02	"	
G05	TVGP+ VD	43-124	94	94/95	"	
G06	TVGP+ CHECK	43-124	1	01	"	

└ 00/00 is depended on picture size.
Left value : 32K-X2000, CK32S60
Right value : 36K-X2000, CK36S60

Note : This item is used only at the manufacturing factory.
Do not change the data. (If this setting is changed to "1", the adjustment data may get wrong.)

Table - A

■ SERVICE ADJUSTMENT

Screen Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service No. "S11" and set the data value to "00" to set the color level to minimum. (Record original data code under No. "S11" before changing) You may skip this step, if you selected a B/W picture or monoscope pattern.
3. Select the service No. "S21" and adjust the data value to "01", this turn off the luminance signal (Y-mute).
4. Select the service No. "S12" and adjust data value to "58".
5. Adjust the master screen control until the raster darkens to the point where raster is barely seen.
6. Adjust the service numbers "S16" red, "S17" green and "S18" blue to obtain a good grey scale with normal whites at low brightness level.
7. Select the service No. "S21" and reset data to "00". Select the service No. "S11" and reset data to obtain normal color level.
8. Reset the master screen control to obtain normal brightness range.

White Balance Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service No. "S11" and set to "00" (minimum color)(Record original data code under adjustment "S11" before changing). "S11" does not have to be adjusted, if you selected a B/W picture or monoscope pattern.
3. Alternately adjust the service numbers "S19" and "S20" until a good grey scale with normal whites is obtained.
4. Select the service No. "S11" and adjust data to obtain normal color level.

Sub-Picture Adjustment

1. Receive a good local channel.
2. Make sure the customer picture control is set to maximum.
3. Enter the service mode and select the service No. "S09".
4. Adjust the data value to achieve normal contrast range.
5. Receive the same local channel through the antenna A.
6. Adjust the "A01" setting to achieve the same contrast as that with the antenna B.

Sub-Tint Adjustment

1. Receive a good local channel.
2. Set customer tint control to center of it's range.
3. Enter the service mode and select the service No. "S10".
4. Adjust "S10" data value to obtain normal flesh tones.
5. Receive the same local channel through the antenna A.
6. Adjust the "A02" setting to achieve the same tint as that with the antenna B.

Sub-Color Adjustment

1. Receive a good local channel.
2. Make sure the customer color control is set to center position .
3. Enter the service mode and select the service No. "S11".
4. Adjust "S11" data value to obtain normal color level.

Sub-Brightness Adjustment

1. Receive a good local channel.
2. Make sure the customer brightness control is set to center position.
3. Enter the service mode and select the service No. "S12".
4. Adjust "S12" data value to obtain normal brightness level.
5. Enter the same data value as the "S12" setting to "C04".

Vertical Linearity Adjustment

1. Receive a good CATV channel.
2. Set to standard setting mode.
3. Enter the service mode and select the service No. "S02".
4. While observing the top and bottom of the screen, adjust "S02" data value to proper vertical linearity.

Vertical Phase Adjustment

1. Enter the service mode and select the service No. "S14".
2. Adjust data value to "00".
Note: This must be set "00" when changed data retrace line will appear.

Vertical-Size Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service No. "S01".
3. While observing the top and bottom of the screen, adjust "S01" data value to proper vertical size.

SidePincushion Adjustment

1. Receive a good CATV channel or crosshatch pattern signal.
2. Set to standard setting mode.
3. Enter the service mode and select the service No. "S05".
4. Adjust the data of service No. "S05" so that the outermost line on the screen be straight.

Horizontal Position Adjustment

1. Receive a good CATV channel or crosshatch pattern signal.
2. Set to standard setting mode.
3. Enter the service mode and select the service No. "S15".
4. Adjust so that the left and right overscans are equal to each other.

Horizontal Size Adjustment

1. Receive a good CATV channel or crosshatch pattern signal.
2. Set to standard setting mode.
3. Enter the service mode and select the service No. "S04".
4. Vary the data of service No. "S04" to obtain the best horizontal size.

Trapezoidal Distortion Adjustment

1. Receive a good CATV channel or crosshatch pattern signal.
2. Set to standard setting mode.
3. Enter the service mode and select the service No. "S07".
4. Adjust so that the leftmost and rightmost vertical lines are parallel to each other.

Corner Distortion Adjustment

1. Receive a good CATV channel or crosshatch pattern signal.
2. Set to standard setting mode.
3. Enter the service mode and select the service No. "S06".
4. Adjust so that the vertical lines should be straight.

Caption Position Adjustment (Horizontal)

1. Receive a good local channel.
2. Enter the service mode and select the service No. "S40".
3. A black text box appears on the screen. (see **Figure B** below)
4. Adjust "S40" data value so that text box is positioned in the center of the screen.

Sharpness Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service No. "S13".
3. Adjust data value to "05" (32K-X2000/CK32S60) "00"(36K-X2000/CK36S60).(center of data range)

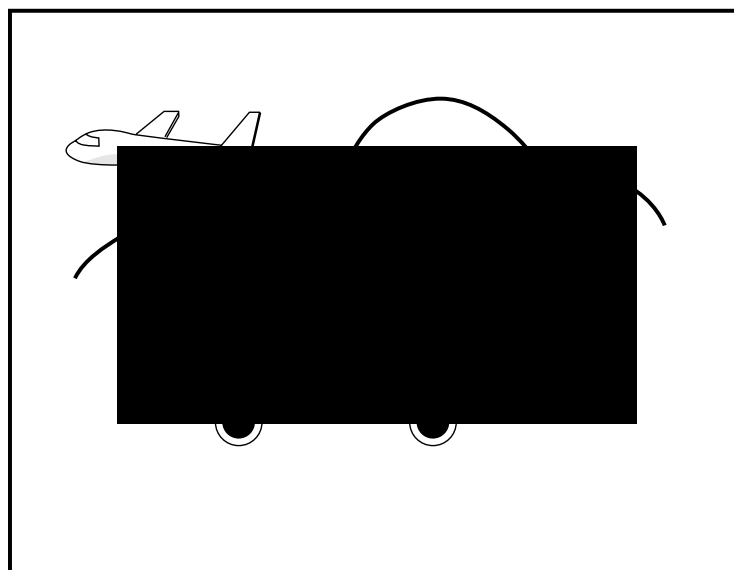


Figure B.

■ MTS ADJUSTMENT

MTS Level Adjustment

1. Feed the following monaural signal to pin (14) of IC3001.
Monaural signal : 300Hz, 245mVrms
2. Connect the rms voltmeter to pin (39) of IC3001.
3. Enter the service mode and select the service No. "M01"(Antenna B) and "A03"(Antenna A).
4. Adjust the data so that the rms voltmeter reads.
Spec : 490 \pm 10mVrms.

MTS VCO Adjustment

1. Keep the unit in no-signal state.
2. Connect the frequency counter to pin (39) of IC3001.
3. Connect a capacitor (100 μ F, 50V) in between positive(+) side of C3005 and ground.
4. Enter the service mode and select the service No. "M02"
5. Adjust the data so that the frequency counter reads.
Spec : 62.94 \pm 0.75kHz.

Filter Adjustment

1. Feed the following stereo pilot signal to pin (14) of IC3001 .
Stereo pilot signal: 9.4kHz, 600mVrms.
2. Enter the service mode and select the service No. "M03".
3. Adjust the data until "OK" appears in position on the screen. Make sure the "OK" is displayed almost at the center of the data range.

Separation Adjustment

1. Connect the rms voltmeter to pin (39) of IC3001.
2. Receive the following composite stereo signal 1.
Composite stereo signal: 30% modulation, left channel only, noise reduction on, 300Hz
3. Enter the service mode and select the service No. "M04"(Antenna B).
4. Adjust the data until the AC voltage reading of the rms voltmeter is minimum.
5. Receive the following composite stereo signal 2.
Stereo signal: 30% modulation, left channel only, noise reduction on, 3kHz
6. Enter the service mode and select the service No. "M05"(Antenna B).
7. Adjust the data until the AC voltage reading of the rms voltmeter is minimum.
8. Take the above steps 1 thru 7 again for fine adjustment.
9. Enter the service mode and select the service No."A04"(Antenna A).
- 10.Adjust the data until the AC voltage reading of the rms voltmeter is minimum.
- 11.Receive the following composite stereo signal 2.
Stereo signal: 30% modulation, left channel only, noise reduction on, 3kHz

- 12.Enter the service mode and select the service No."A05"(Antenna A).
- 13.Adjust the data until the AC voltage reading of the rms voltmeter is minimum.
- 14.Take the above steps 9 to 13 again for fine adjustment.

■ P-IN-P ADJUSTMENT

P-IN-P Y LEVEL Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service No. "P01".
3. Adjust "P01" data value to obtain normal contrast level.

P-IN-P TINT Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service No. "P02".
3. Adjust data value to "37".

P-IN-P COLOR Adjustment

1. Receive a good local channel.
2. Make sure the customer color control is set to center position.
3. Enter the service mode and select the service No. "P03".
4. Adjust "P03" data value to obtain normal color level.

P-IN-P Y-OFF SET Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service No. "P04".
3. Adjust data value to "09".

P-IN-P H-POSITION Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service No. "P05".
3. Adjust data value to "10".

P-IN-P BURST GATE PULSE (for MAIN)

1. Receive a good local channel.
2. Enter the service mode and select the service No. "P06".
3. Adjust data value to "00".

P-IN-P FREE RUN

1. Receive a good local channel.
2. Enter the service mode and select the service No. "P07".
3. Adjust data value to "11".

GUIDE Plus+ Adjustment

1. Bus Data Setting

1) Picture Height Adjustment

- Enter the Service Mode and select Service Adjustment "G04"
- Match the value of the data to "02"

2) VD Adjustment

- Enter the Service Mode and select Service Adjustment "G05"
- Match the value of the data to "94" (32K-X2000, CK32S60) and "95" (36K-X2000, CK36S60).

2. OSD H-position Adjustment

- Input a good channel into Antenna B and another into Antenna A.
- Enter the Service Mode and select Service Adjustment "G01".
- GUIDE PLUS+ OSD is displayed on the screen.
- Enable adjustment of the "G01" data bus and adjust so that GUIDE PLUS+ OSD is centered on the screen.

3. GUIDE Plus+ PIP Position Adjustment

1) H-position Adjustment

- Input a good channel into Antenna B and another into Antenna A.
- Enter the Service Mode and select Service Adjustment "G02"
- GUIDE PLUS+ OSD is displayed on the screen.
- Enable adjustment of the "G02" data bus and adjust so that the horizontal position of GUIDE PLUS+ PIP is centered in the display frame of the screen.

2) V-position Adjustment

- Input a good channel into Antenna B and another into Antenna A.

- Enter the Service Mode and select Service Adjustment "G03"
- GUIDE PLUS+ OSD is displayed on the screen.
- Enable adjustment of the "G03" data bus and adjust so that the vertical position of GUIDE PLUS+ PIP is centered in the display frame of the screen.

4. GUIDE Plus+ Data Check and Preload Operation Check

It is necessary to perform these checks when replacing the microcontroller (IC2001), the GUIDE Plus+ unit (DUNTK9581WEK0), or the unit component IC (IC2101, 2102, 2103).

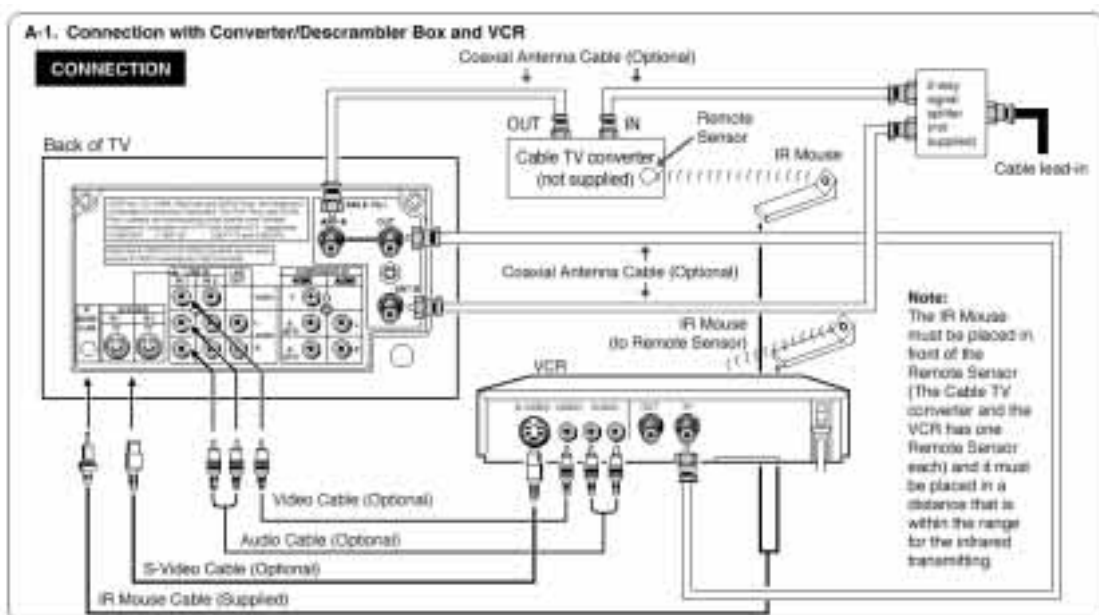
When performing a data check, be sure to connect signals with the GUIDE Plus+ data overlapped to Antenna A.

1) ROM and RAM Test

- Input a good channel into Antenna A and another into Antenna B.
 - Enter the Service Mode and select Service Adjustment "G06".
 - TV GUIDE+ data check will start automatically.
 - Confirm that "ROM TEST" and "RAM TEST" are displayed as "Passed 100%".
- Change the "G03" data bus and adjust so that the horizontal position of GUIDE PLUS+ PIP is centered in the display frame of the screen.

2) IR Operation Confirmation

Connect the IR MOUSE as shown in the illustration below.



- Shown here is the preferred method of connecting a VCR and CATV Converter to your TV if you are in an area with good signal reception. This way you can view either TV program or VCR tapes and not be concerned about the position of the VCR's TV/VCR switch and you can enjoy stereo tape play back from a stereo VCR.
- If your VCR has S-VIDEO or S-VHS OUT connector, connect it to the S-VIDEO IN 1 or IN 2 connector on the TV in addition or instead of video cable.

Confirm the IR operation in the order listed below.

- The next step lets you set up the GUIDE Plus+ system to display your local program listings, and control your cable box and VCR.
- 1 Press **CH UP** (▲) or **DOWN** (▼) to move the " " mark to "Setup". Then, press **ENTER**.



- 2 The first two screens ask for information about where you live. Press **CH UP** (▲) or **DOWN** (▼) to select your country. Then, press **ENTER**.



- 3 Move the cursor using the **VOL** (+) or (-) button, and enter your zip code (Postal Code in Canada) using the **CH UP** (▲) or **DOWN** (▼) button. If you have entered the wrong number or return to the wrong part number, move the cursor by using the **VOL** (+) or (-) and press **CH UP** (▲) or **DOWN** (▼) to correct.



- Note:**
- Select "USA" and enter the zip code "00000" as the regional area where the GUIDE Plus+ data cannot be received.

- 4 Press **CH UP** (▲) or **DOWN** (▼) to select "Yes" or "No". Select "Yes" if you have the cable, or "No" if you do not. Then, press **ENTER**.



- Note:**
- If you have made the wrong selection of Air and Cable, the correct GUIDE PROGRAM display will not appear. If you have selected Air and Cable on TV MENU screen, the GUIDE LIST will not correspond with the TV PROGRAM.
- 5 Press **CH UP** (▲) or **DOWN** (▼) to select "Yes" or "No". Select "Yes" if you have the cable box, or "No" if you do not. Then, press **ENTER**.



- Note:**
- Make sure that IR mouse is connected.

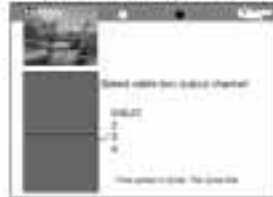
- 6 Press **CH UP** (▲) or **DOWN** (▼) to change your cable box brand. Then, press **ENTER**.



- 7 When the GUIDE Plus+ system correctly identifies the brand and the model of your TV, the cable box's tuner changes to channel 5.



- 8 Enter the channel you normally use to view channels through your cable box. Press **CH UP** (▲) or **DOWN** (▼) to select the cable box's output channel. Then, press **ENTER**.



- 9 Press **CH UP** (▲) or **DOWN** (▼) to select "Yes" or "No". Select "Yes" if you have a VCR, or "No" if you do not. Then, press **ENTER**.

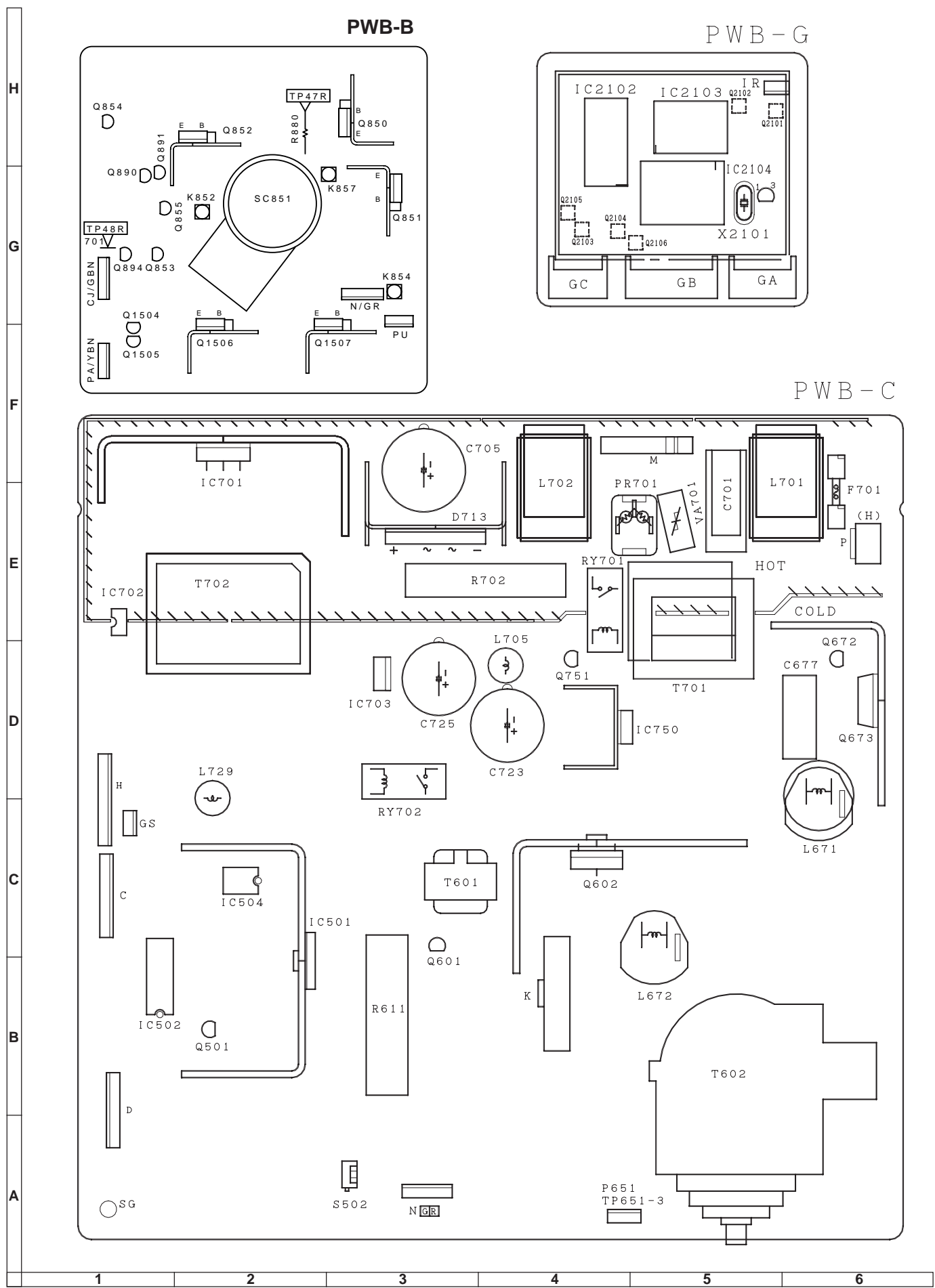


- 10 Tune your VCR to channel 02, then turn it off. Press **CH UP** (▲) or **DOWN** (▼) to select your VCR band.



- 11 When the GUIDE Plus+ system correctly identifies the brand and the model of your TV, the VCR's tuner changes to channel 5.





DESCRIPTION OF SCHEMATIC DIAGRAM

NOTES:

- 1. The unit of resistance "ohm" is omitted.
(K=kΩ=1000Ω, M=MΩ)
- 2. All resistors are 1/8 watt, unless otherwise noted.
- 3. All capacitors are μF, unless otherwise noted.
(P=pF=μμF)
- 4. (G) indicates ±2% tolerance may be used.
- 5. ≡ indicates line isolated ground.
- 6. ↴ indicates hot ground.

VOLTAGE MEASUREMENT CONDITIONS:

- 1. All DC voltages are measured with DVM connected between points indicated and chassis ground, line voltage set at 120V AC and all controls set for normal picture unless otherwise indicated.
- 2. All voltages measured with 1000μ V B & W or Color signal.

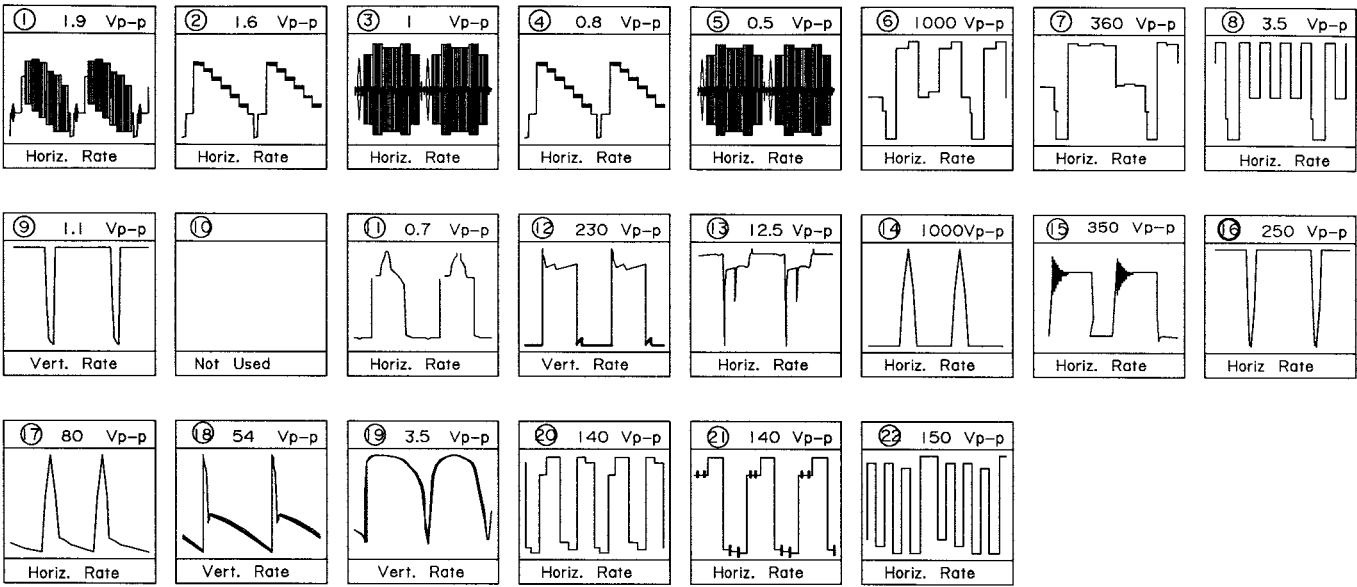
WAVEFORM MEASUREMENT CONDITIONS:

- 1. Photographs taken on a standard gated color bar signal, the tint setting adjusted for proper color. The wave shapes at the red, green and blue cathodes of the picture tube depend on the tint, color level and picture control.
- 2. ● indicates waveform check points (See chart, waveforms are measured from point indicated to chassis ground.)

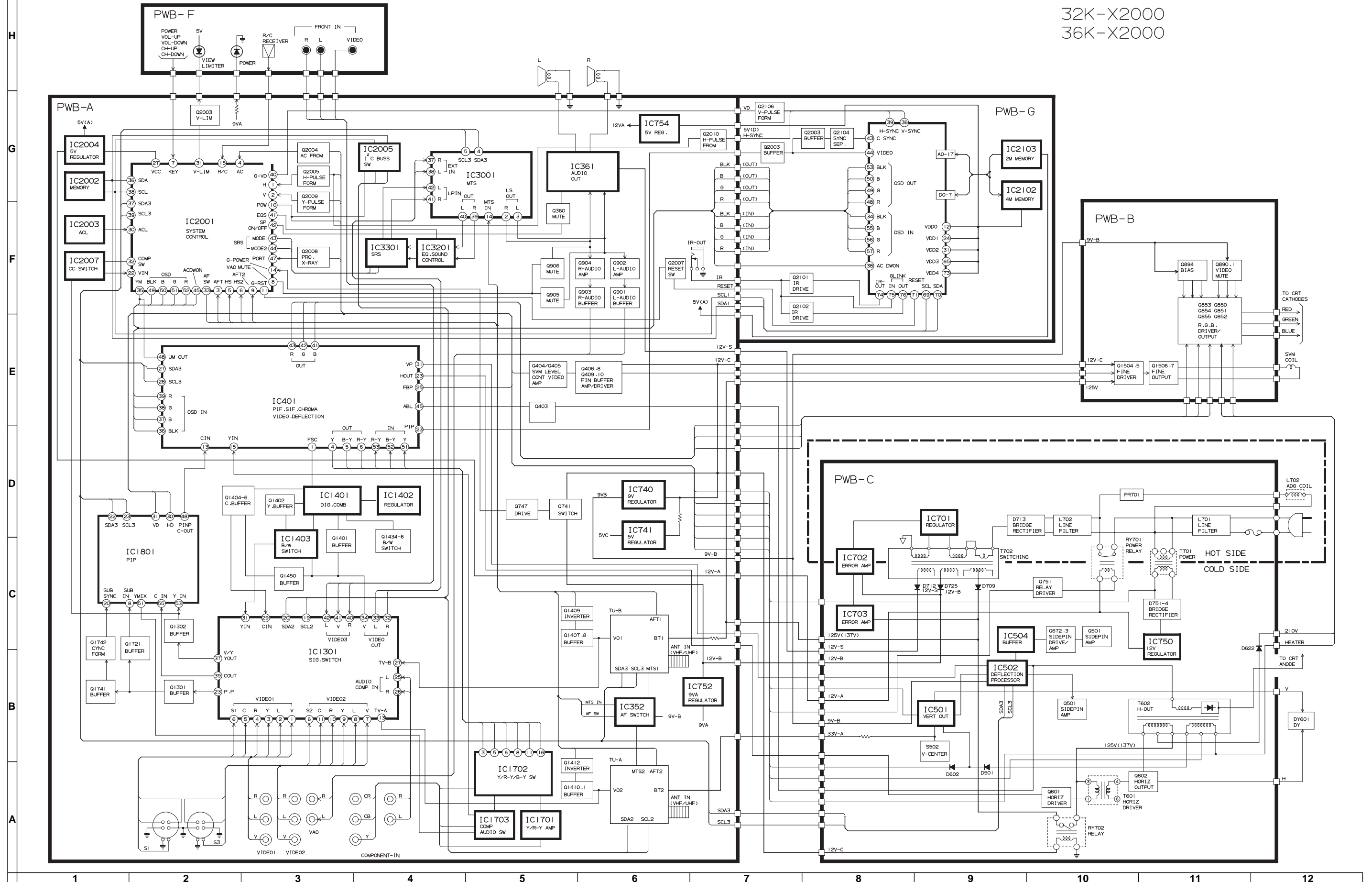
⚠ AND SHADED (■) COMPONENTS = SAFETY RELATED PARTS.
▲ MARK= X-RAY RELATED PARTS.

This circuit diagram is a standard one, printed circuits may be subject to change for product improvement without prior notice.

WAVE FORMS



BLOCK DIAGRAM



32K-X2000
36K-X2000

TO PWB-F

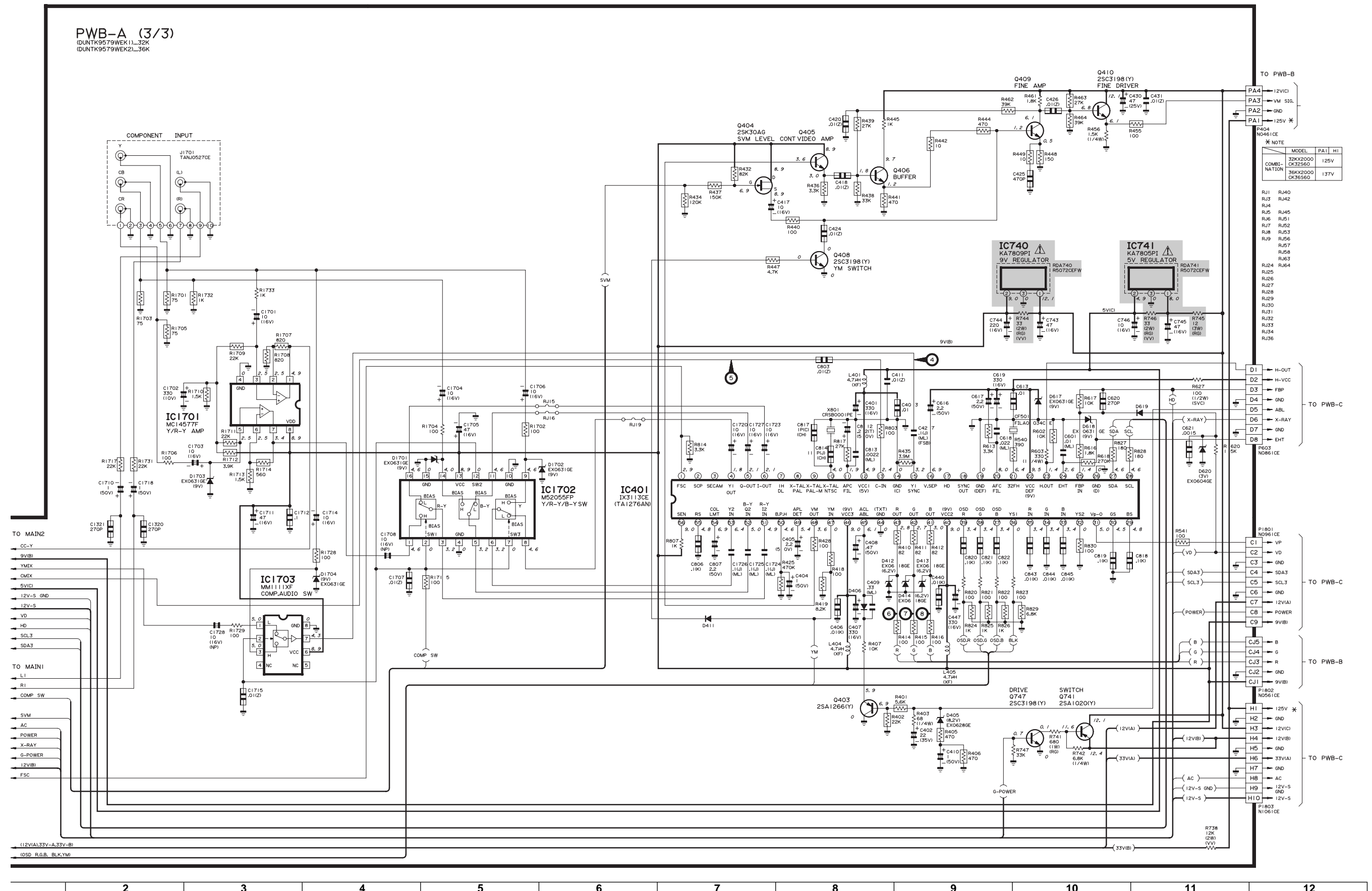
SCHEMATIC DIAGRAM : MAIN-3 Unit

MODEL 32K-X2000 /CK32S60
MODEL 36K-X2000 /CK32S60

MAIN3

NOTE: 1. THE UNIT OF RESISTANCE "OHM" IS OMITTED
(K=1000 OHMS, M=MEGAOHM).

2. ALL RESISTORS ARE 1/8WATT, UNLESS OTHERWISE NOTED.
3. ALL CAPACITORS ARE MF, UNLESS OTHERWISE NOTED(P=PIKF).
4. ALL DIODES ARE "1SS119" UNLESS OTHERWISE SPECIFIED.
5. ALL TRANSISTORS ARE "2SC2462" OR "2SD601AR"
UNLESS OTHERWISE SPECIFIED.

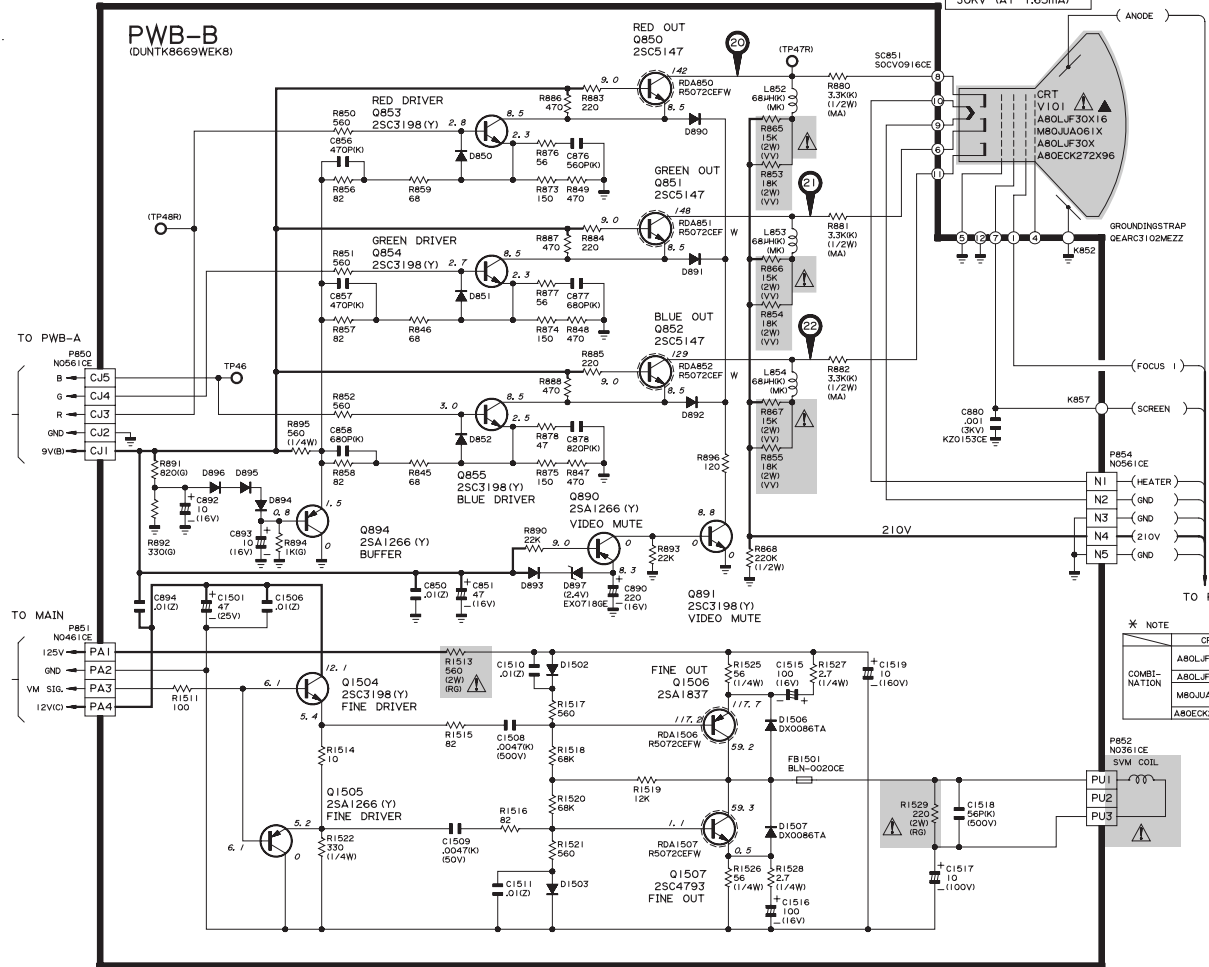


SCHEMATIC DIAGRAM : POWER and CRT Unit(32K-X2000/CK32S60)

MODEL 32K-X2000 /CK32S60
CRT

REPLACE WITH A PICTURE
TUBE OF THE SAME TYPE
NUMBER FOR CONTINUED
SAFETY.

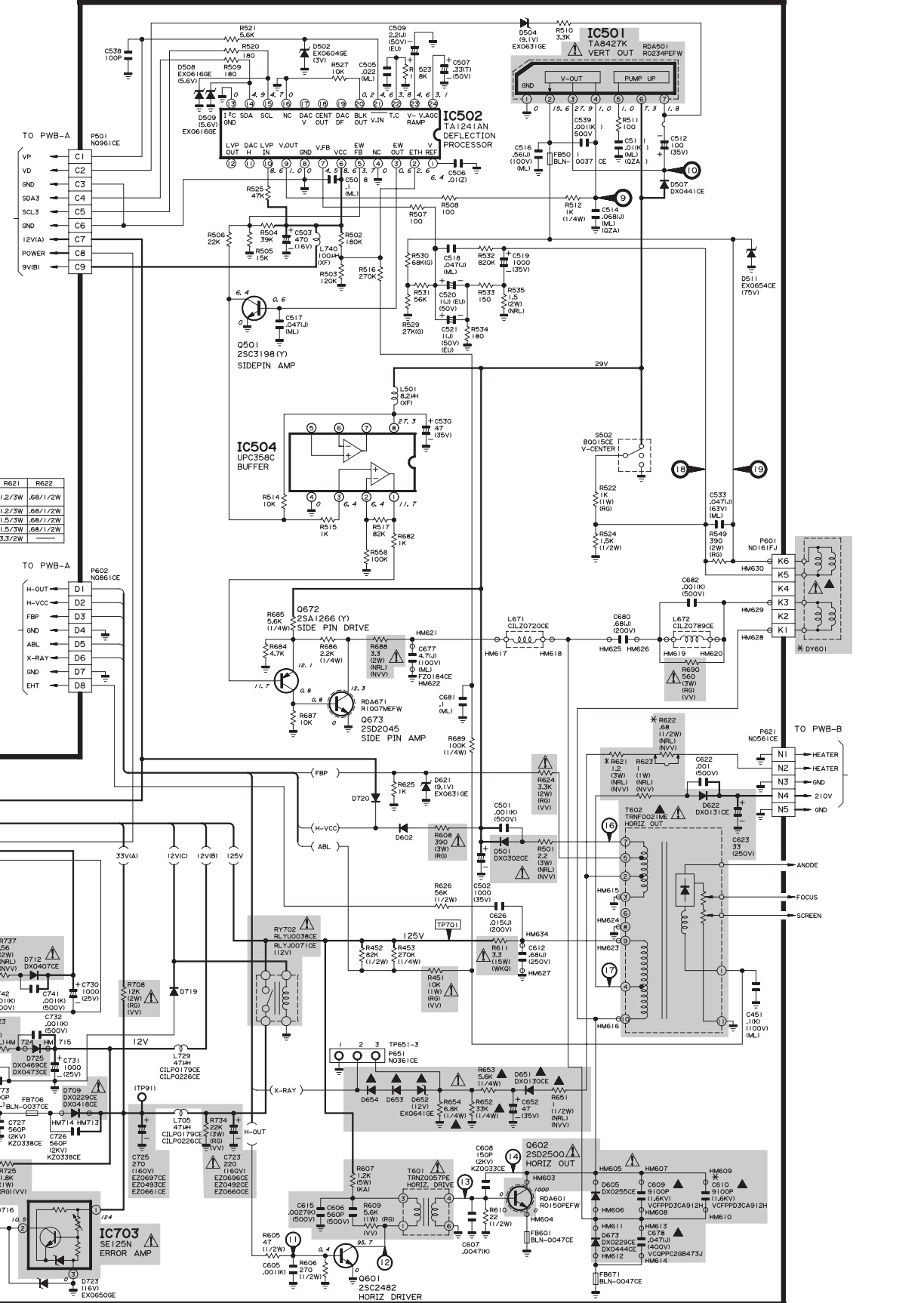
PWB-B
(DUNT8669WEK8)



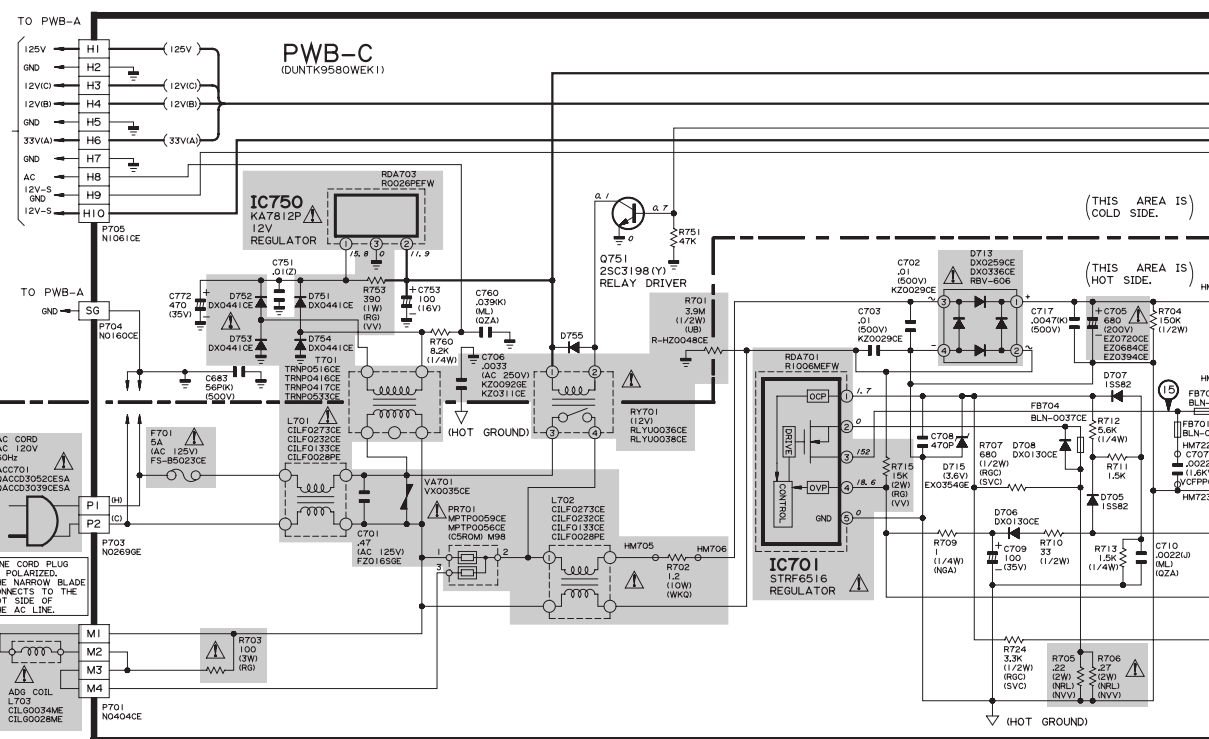
* NOTE

	CRT	DY	C610	R621	R622
COMBINATION	ABOLIF30X16	H0108ME	9100P/1.6KV	1.2/3W	58/1/2W
	ABOLIF30X	H0108ME	9100P/1.6KV	1.2/3W	58/1/2W
	MBQJUA061X	H0109ME	01/1.6KV	1.5/3W	58/1/2W
	ABOEK27X96	H0104ME	01/1.6KV	1.5/3W	58/1/2W

POWER



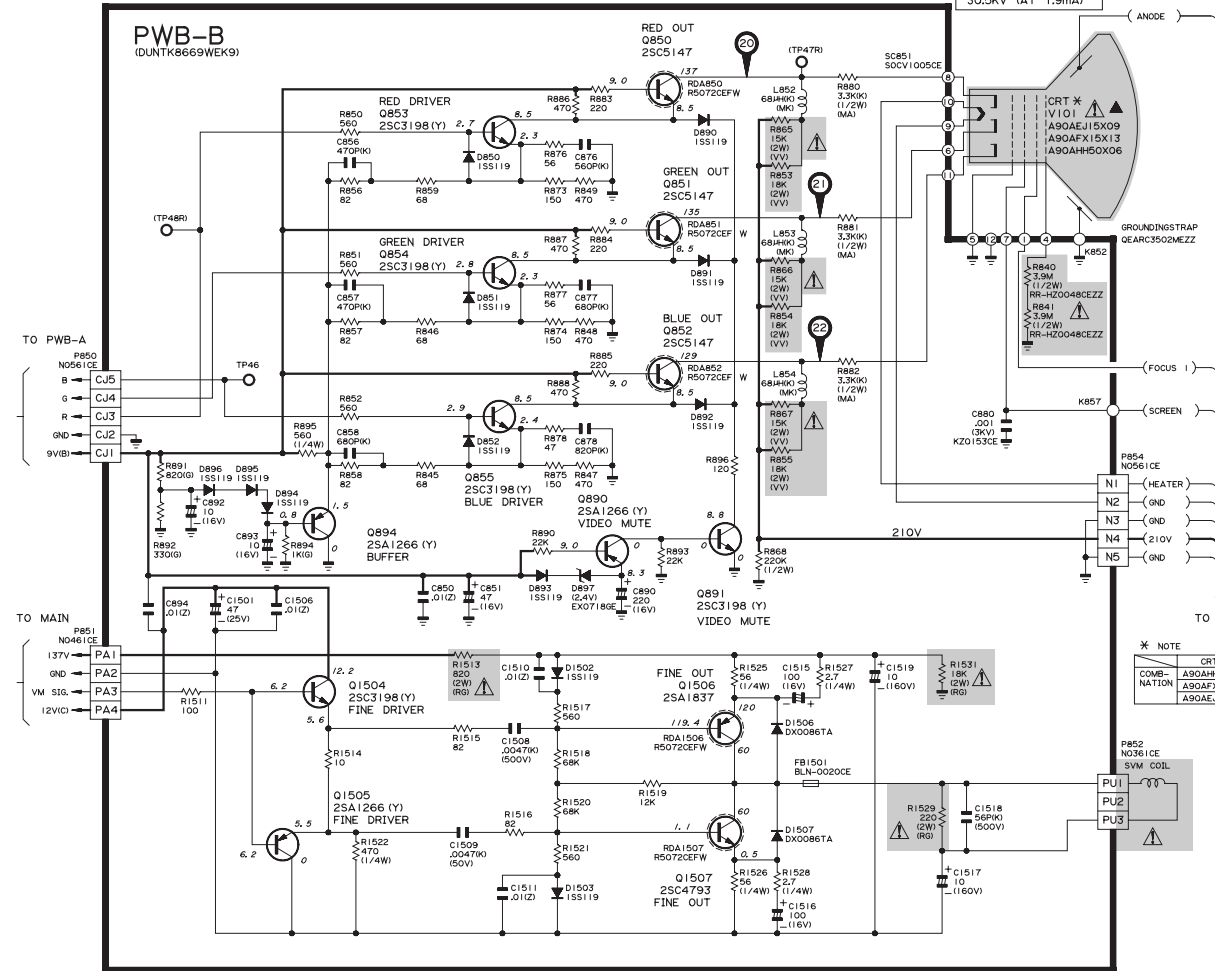
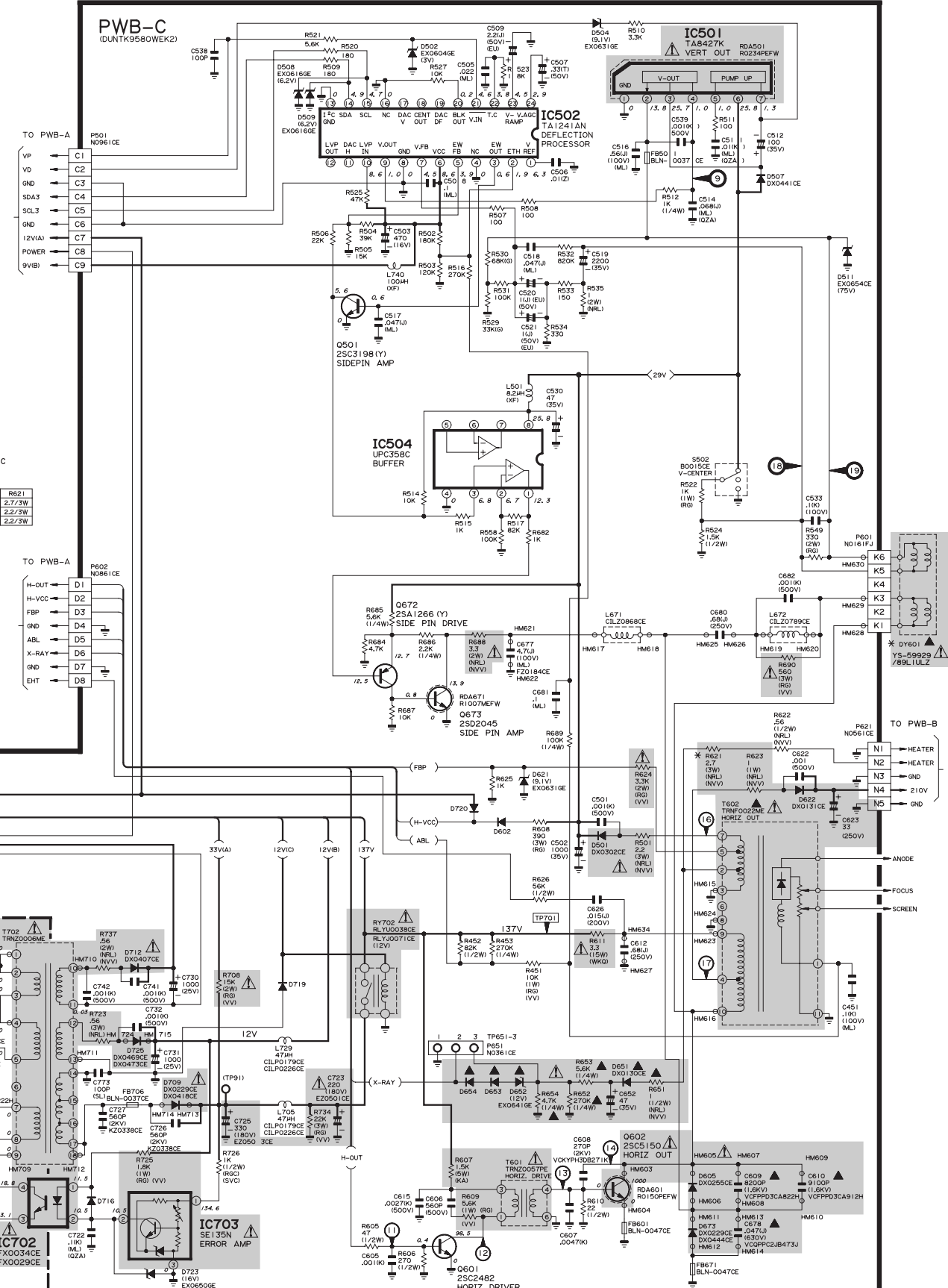
- NOTE: 1. THE UNIT OF RESISTANCE "OHM" IS OMITTED
(K=1000 OHMS, M=MEGA OHM).
2. ALL RESISTORS ARE 1/8WATT, UNLESS OTHERWISE NOTED.
3. ALL CAPACITORS ARE μ F, UNLESS OTHERWISE NOTED(P=PF).
4. ALL DIODES ARE "1S119" UNLESS OTHERWISE SPECIFIED.
5. ALL TRANSISTORS ARE "2SC2462" OR "2SD601AR" UNLESS OTHERWISE SPECIFIED.



SCHEMATIC DIAGRAM : POWER and CRT Unit(36K-X2000/CK36S60)

MODEL 36K-X2000 /CK36S60
CRT

REPLACE WITH A PICTURE
TUBE OF THE SAME TYPE
NUMBER FOR CONTINUED
SAFETY.

PWB-C
(DUNTK9580WEK2)

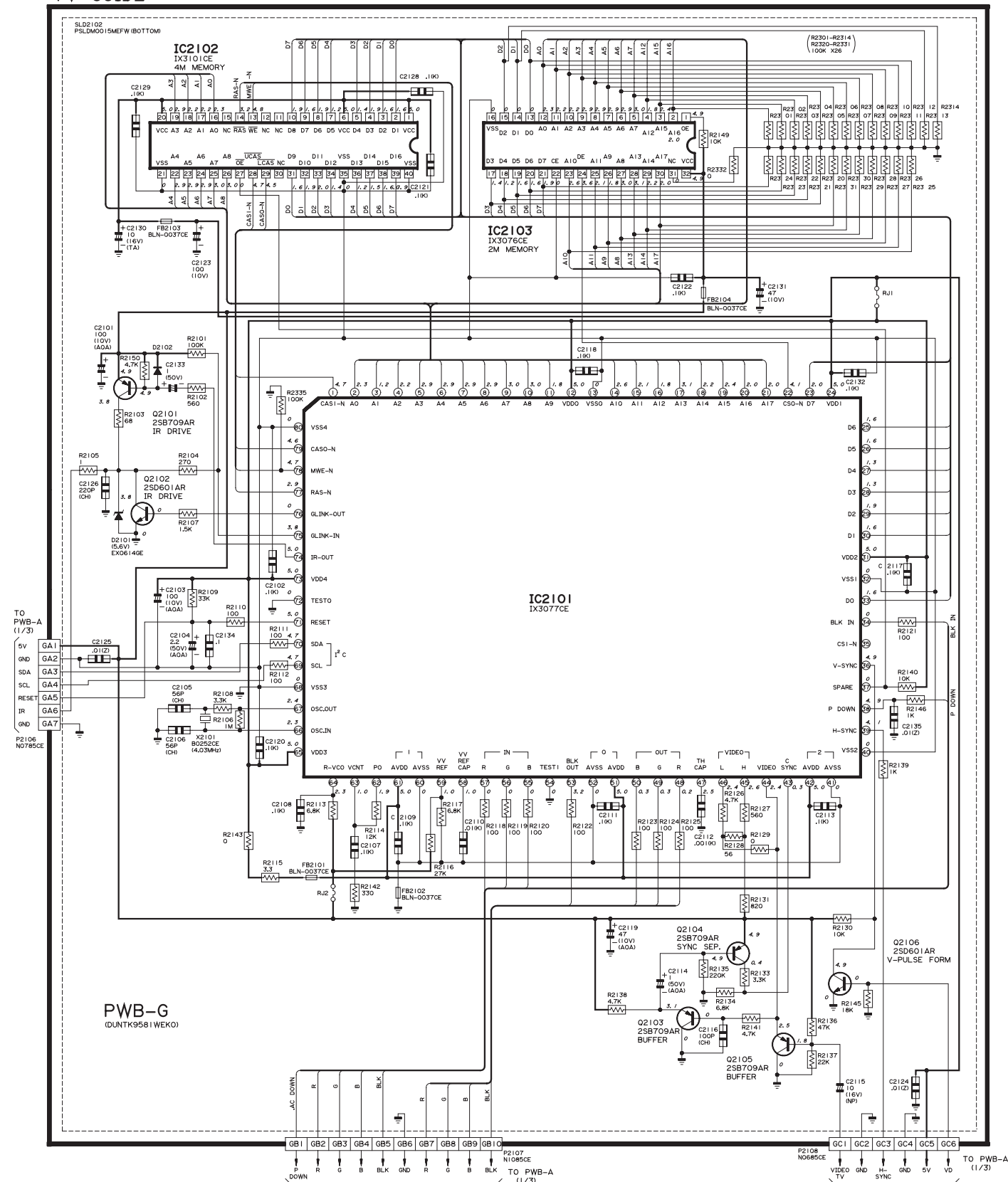
NOTE: 1. THE UNIT OF RESISTANCE "OHM" IS OMITTED
(K=1000 OHMS, M=MEGAOHM).
2. ALL RESISTORS ARE 1/8WATT, UNLESS OTHERWISE NOTED.
3. ALL CAPACITORS ARE JF, UNLESS OTHERWISE NOTED(非JF).
4. ALL DIODES ARE 1SS119 - UNLESS OTHERWISE SPECIFIED.
5. ALL TRANSISTORS ARE * 2SC2462 * OR * 2SD601AR *
UNLESS OTHERWISE SPECIFIED.

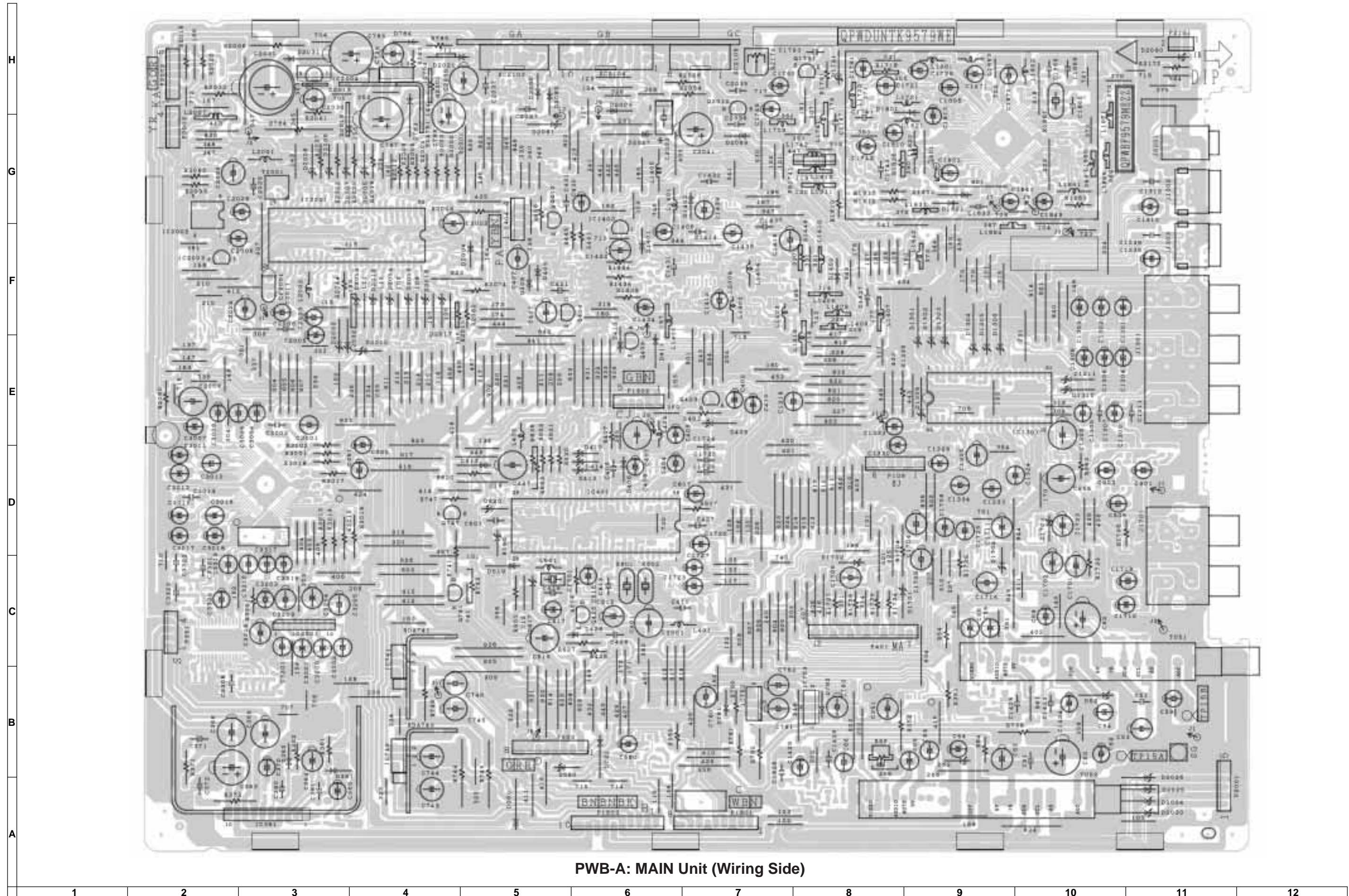
	2	3	4	5	6	7	8	9	10	11		12
--	---	---	---	---	---	---	---	---	----	----	--	----

SCHEMATIC DIAGRAM : TV-GUIDE Unit

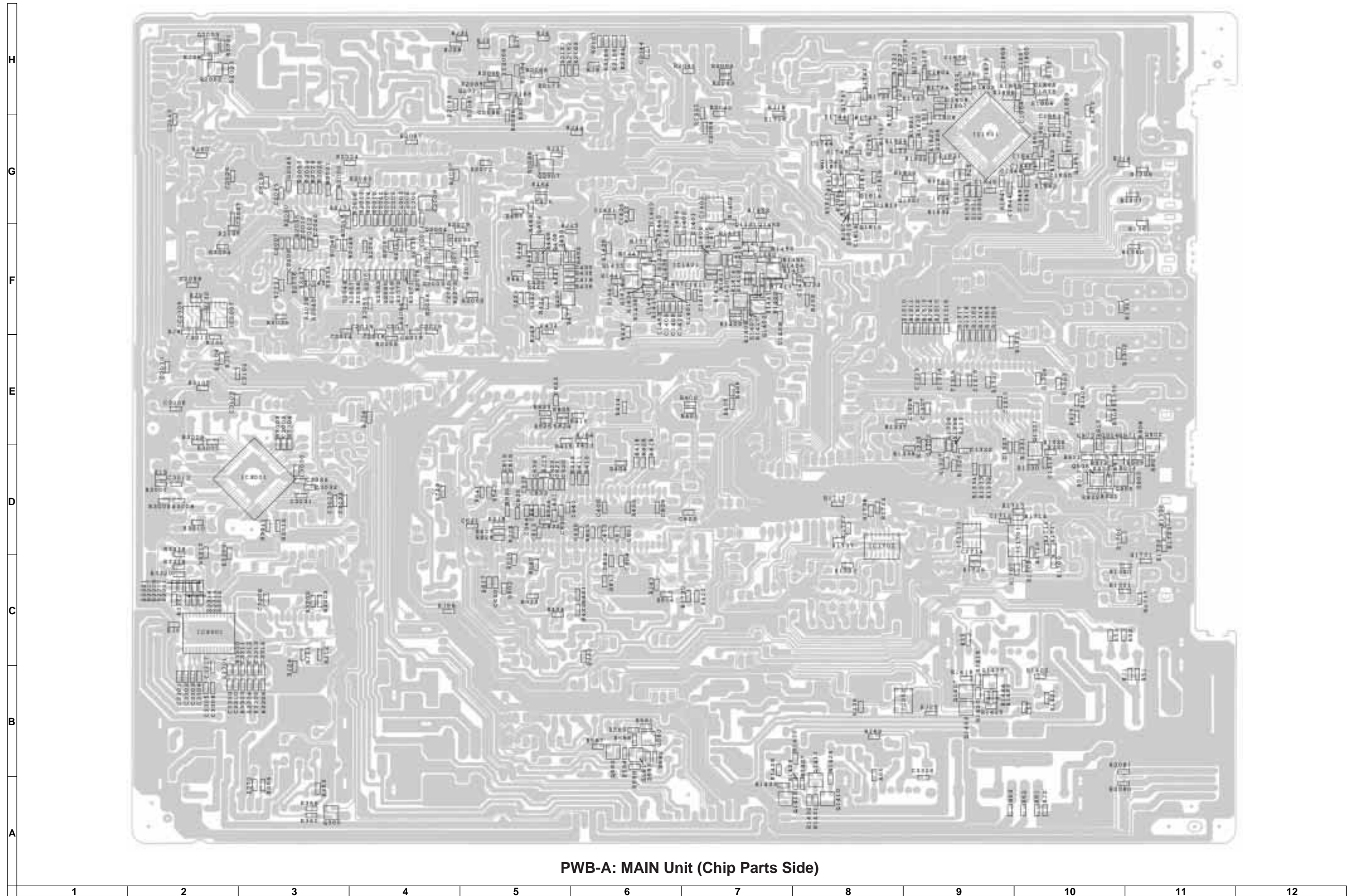
MODEL 32K-X2000/CK32S60
MODEL 36K-X2000/CK36S60
TV-GUIDE

NOTE: 1. THE UNIT OF RESISTANCE "OHM" IS OMITTED
(K=1000 OHMS, M=MEGAOHM).
2. ALL RESISTORS ARE 1/8WATT, UNLESS OTHERWISE NOTED.
3. ALL CAPACITORS ARE JF, UNLESS OTHERWISE NOTED (P=POLY).
4. ALL DIODES ARE "1SS119" UNLESS OTHERWISE SPECIFIED.
5. ALL TRANSISTORS ARE "2SC2462" OR "2SD601AR" UNLESS OTHERWISE SPECIFIED.





PWB-A: MAIN Unit (Wiring Side)



H

G

F

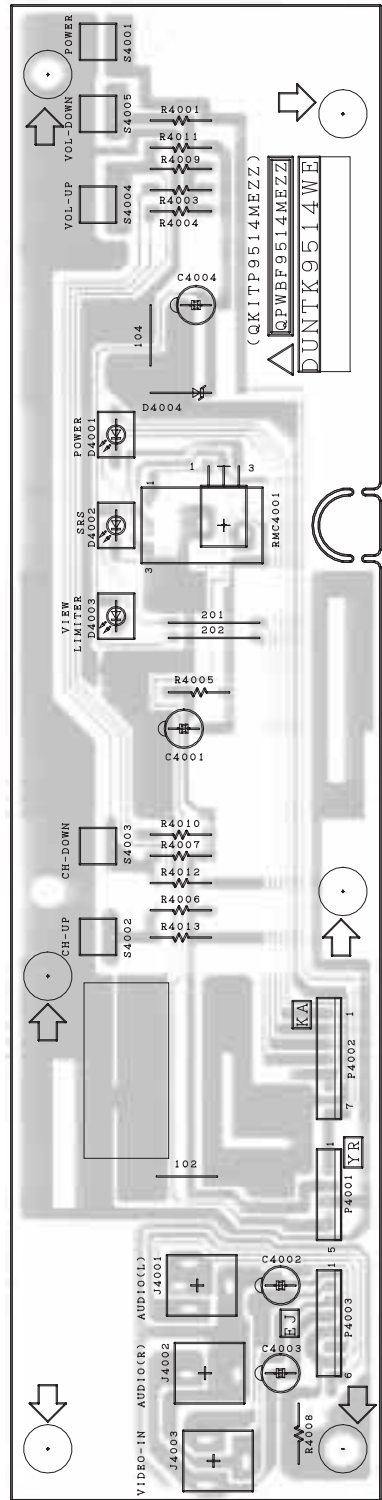
E

D

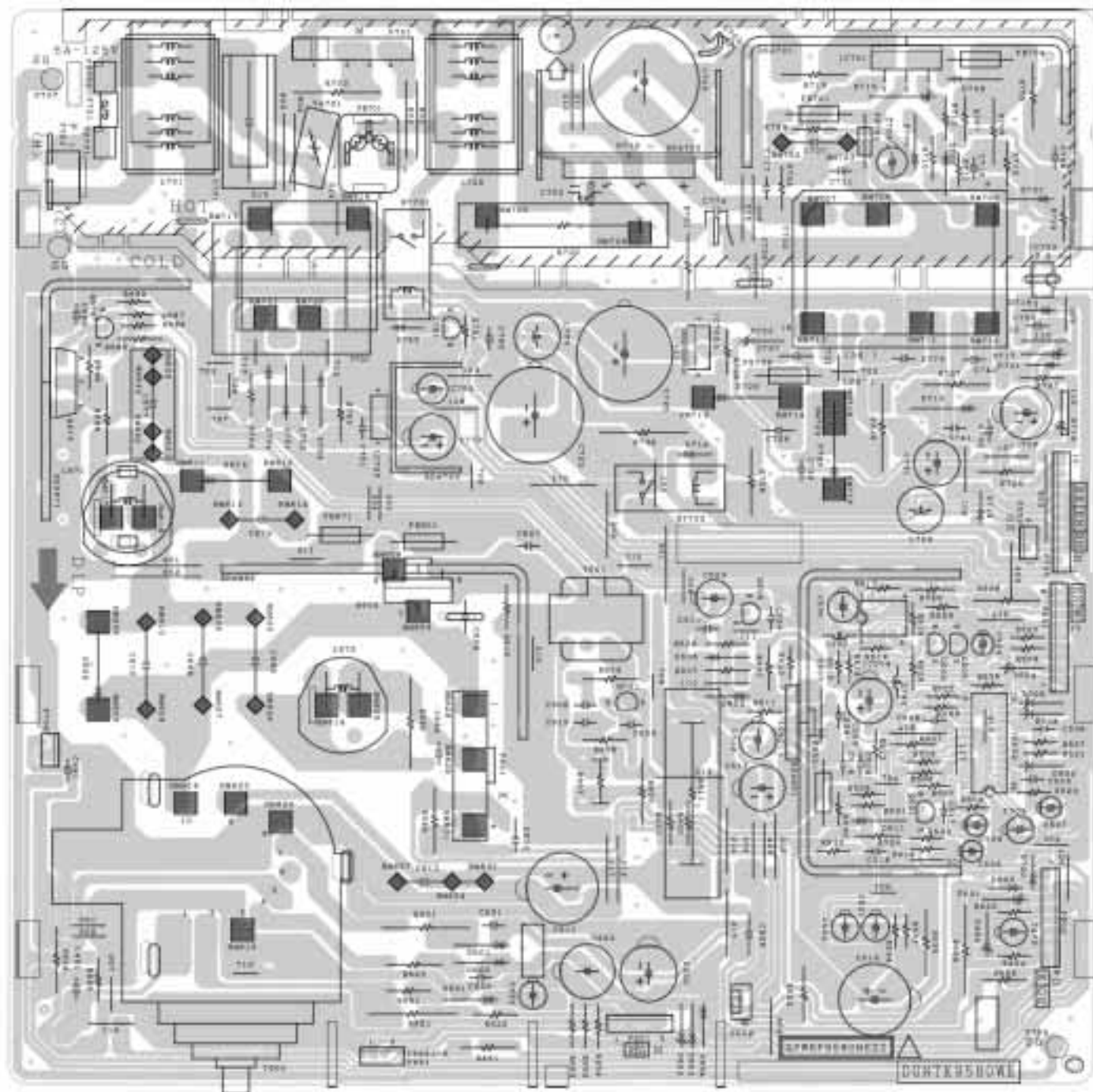
C

B

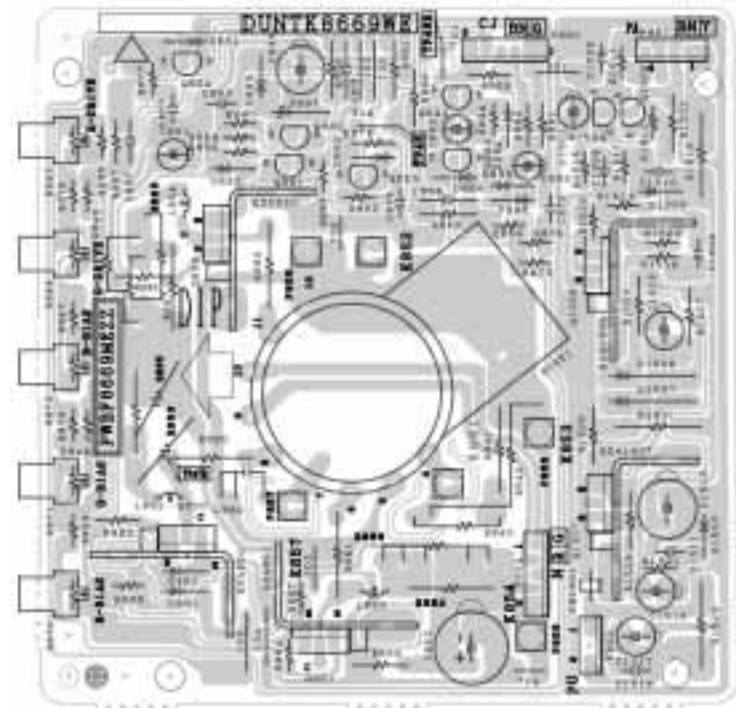
A



PWB-F: CONTROL Unit
(Wiring Side)



PWB-C: POWER Unit (Wiring Side)



PWB-B: CRT Unit (Wiring Side)

REPLACEMENT PARTS LIST

SAFETY NOTE : Components marked with a (▲) have special characteristics important to safety. Before replacing any of these components, read carefully the SAFETY NOTICE on page 3 of the Service Manual. Components marked with an (★) are related to X-Ray Protection circuit.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

- | | |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. NO. |
| 3. PART NO. | 4. DESCRIPTION |

Contact your nearest SHARP Parts Distributor to order.
For location of SHARP Parts Distributor, Please call Toll-Free; 1-800-BE-SHARP

★MARK: SPARE PARTS-DELIVERY SECTION

▲ MARK : X- RAY RELATED PARTS

Ref. No.	Part No.	★	Description	Code
----------	----------	---	-------------	------

PICTURE TUBE

32K-X2000,CK32S60

▲▲V101	VB80LJF3016*S	M	Picture Tube	
	RCiLG0034MEZZ	M	Degaussing Coil	
	MSPRT0002MEZZ	M	Spring for CRT	
	QEARC3102MEZZ	M	Ground-Part	

36K-X2000,CK36S60

▲▲V101	VB90AHH5006*S	M	Picture Tube	
	RCiLG0035MEZZ	M	Degaussing Coil	
	MSPRT0002MEZZ	M	Spring for CRT	
	QEARC3502MEZZ	M	Ground-Part	

— End of PICTURE TUBE —

LISTE DES PIECES

CHANGE DES PIECES

Les pièces de rechange qui présentent ces caractéristiques spéciales de sécurité, sont identifiées dans ce manuel : les pièces électriques qui présentent ces particularités, sont repérées par la marque ▲ et sont hachurées dans les listes de pièces et dans les diagrammes schématiques.

La substitution d'une pièce de rechange par une autre qui ne présente pas les mêmes caractéristiques de sécurité que la pièce recommandée par l'usine et dans ce manuel de service, peut provoquer une électrocution, un incendie ou tout autre sinistre.

"COMMENT COMMANDER LES PIECES DE RECHANGE"

Pour que votre commande soit rapidement et correctement remplie, veuillez fournir les renseignements suivants.

- | | |
|---------------------|----------------|
| 1. NUMERO DU MODELE | 2. NO. DE REF |
| 3. NO. DE PIECE | 4. DESCRIPTION |

in **CANADA:** Contact SHARP Electronics of Canada Limited
Phone (416) 890-2100

★MARQUE: SECTION LIVRAISON DES PIECES DE RECHANGE

▲ MARQUE : PIECES RELATIVE AUX RAYONS X

Ref. No.	Part No.	★	Description	Code
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PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

PWB-A	DUNTK9579WEK1	-	MAIN Unit (32K-X2000, CK32S60)	—
PWB-A	DUNTK9579WEK2	-	MAIN Unit (36K-X2000, CK36S60)	—
PWB-B	DUNTK8669WEK8	-	CRT Unit (32K-X2000, CK32S60)	—
PWB-B	DUNTK8669WEK9	-	CRT Unit (36K-X2000, CK36S60)	—
PWB-C	DUNTK9580WEK1	-	POWER Unit (32K-X2000, CK32S60)	—
PWB-C	DUNTK9580WEK1	-	POWER Unit (36K-X2000, CK36S60)	—
PWB-D	DUNTK9581WEK0	-	TV Guide Unit	—
PWB-E	DUNTK9514WEK1	-	CONTROL Unit	—

— End of PRINTED WIRING BOARD ASSEMBLIES —

PWB-A: DUNTK9579WEK1(32K-X2000, CK32S60)
PWB-A: DUNTK9579WEK2(36K-X2000, CK36S60)

MAIN UNIT

TUNER

NOTE:THE PARTS HERES SHOWN ARE SUPPLIED AS AN ASSEMBLY NOT INDEPENDENTLY.

TU51	VTUVTBT5UF201	M	Tuner
TU52	VTUVTBT5UR201	M	Tuner

Ref. No.	Part No.	★	Description	Code
PWB-A: DUNT9579WEK1(32K-X2000, CK32S60)				
PWB-A: DUNT9579WEK2(36K-X2000, CK36S60)				
MAIN UNIT (Continued)				
INTEGRATED CIRCUITS				
IC352	VHiMM1111XF1E	J	MM1111XFBE	AE
△ IC361	RH-iX1135CEZZ	J	LA4261	AH
IC401	RH-iX3113CEZZ	J	TA1276AN	AZ
IC740	VHiKA7809Pi-1	R	KiA7809Pi	AE
IC741	VHiKA7805Pi-1	R	KiA7805Pi	AE
IC752	VHiKA7809Pi-1	R	KiA7809Pi	AE
IC753	VHiKA7805Pi-1	R	KiA7805Pi	AE
IC754	VHiKA7805Pi-1	R	KiA7805Pi	AE
IC1301	VHiMM1313AD-1	J	MM1313AD	AP
IC1401	VHiTC90A45F-1	J	TC90A45F	AM
IC1402	VHiKA78L05B-1	J	KiA78L05BP	AE
IC1403	VHiMM1111XF1E	J	MM1111XFBE	AE
IC1701	VHiMC14577F-1	J	MC14577BF	AG
IC1702	VHiM52055FP-1	J	M52055FP	AH
IC1703	VHiMM1111XF1E	J	MM1111XFBE	AE
IC1801	VHiM65667FP-2	M	M65667FP	
IC2001	RH-iX3200CEZZ	M	I.C.	
IC2002	VHiM24C02B/-1	M	M24C02-BNL	
IC2003	VHiKiA7045P-1	J	KiA7045P	AD
IC2004	VHiKA7805Pi-1	R	KiA7805Pi	AE
IC2005	VHiTC4W66F/-1	J	TC4W66F	AE
IC2007	VHiMM1111XF1E	J	MM1111XFBE	AE
IC3001	VHiCXA2074Q-1	J	CXA2074Q	AY
IC3201	VHiAN5285K/-1	J	AN5285K	AP
IC3301	VHiNJM2178M-1	J	NjM2178M	AR

TRANSISTORS

You can substitute "VS2SC2642-C-1" for "VS2SD601AR/-1".

Q360	VS2SD601AR/-1	J	2SD601	AC
Q403	VS2SA1266-Y-1	J	2SA1266 (Y)	AA
Q404	VS2SK30AG//2E	J	2SK30AG	AD
Q405	VS2SD601AR/-1	J	2SD601	AC
Q406	VS2SD601AR/-1	J	2SD601	AC
Q408	VS2SC3198-Y-1	J	2SC3198 (Y)	AA
Q409	VS2SD601AR/-1	J	2SD601	AC
Q410	VS2SC3198-Y-1	J	2SC3198 (Y)	AA
Q741	VS2SA1020Y/-1	J	2SA1020	AD
Q747	VS2SC3198-Y-1	J	2SC3198 (Y)	AA
Q901	VS2SD601AR/-1	J	2SD601	AC
Q902	VS2SD601AR/-1	J	2SD601	AC
Q903	VS2SD601AR/-1	J	2SD601	AC
Q904	VS2SD601AR/-1	J	2SD601	AC
Q905	VS2SD601AR/-1	J	2SD601	AC
Q906	VS2SD601AR/-1	J	2SD601	AC
Q1301	VS2SD601AR/-1	J	2SD601	AC
Q1302	VS2SD601AR/-1	J	2SD601	AC
Q1401	VS2SD601AR/-1	J	2SD601	AC
Q1402	VS2SD601AR/-1	J	2SD601	AC
Q1404	VS2SD601AR/-1	J	2SD601	AC
Q1405	VS2SD601AR/-1	J	2SD601	AC
Q1406	VS2SD601AR/-1	J	2SD601	AC
Q1407	VS2SB709AR/-1	J	2SB709	AC

Ref. No.	Part No.	★	Description	Code
Q1408	VS2SB709AR/-1	J	2SB709	AC
Q1409	VS2SD601AR/-1	J	2SD601	AC
Q1410	VS2SB709AR/-1	J	2SB709	AC
Q1411	VS2SB709AR/-1	J	2SB709	AC
Q1412	VS2SD601AR/-1	J	2SD601	AC
Q1434	VS2SB709AR/-1	J	2SB709	AC
Q1435	VS2SD601AR/-1	J	2SD601	AC
Q1436	VS2SD601AR/-1	J	2SD601	AC
Q1450	VS2SD601AR/-1	J	2SD601	AC
Q1721	VS2SD601AR/-1	J	2SD601	AC
Q1741	VS2SD601AR/-1	J	2SD601	AC
Q1742	VS2SB709AR/-1	J	2SB709	AC
Q1791	VS2SC1959Y/1E	J	2SC1959	AC
Q1813	VS2SD601AR/-1	J	2SD601	AC
Q1814	VS2SD601AR/-1	J	2SD601	AC
Q1815	VS2SD601AR/-1	J	2SD601	AC
Q1861	VS2SB709AR/-1	J	2SB709	AC
Q2002	VS2SD601AR/-1	J	2SD601	AC
Q2003	VS2SD601AR/-1	J	2SD601	AC
Q2004	VSUN2212///-1	J	UN2212	AA
Q2005	VS2SD601AR/-1	J	2SD601	AC
Q2007	VS2SD601AR/-1	J	2SD601	AC
Q2008	VS2SD601AR/-1	J	2SD601	AC
Q2009	VS2SD601AR/-1	J	2SD601	AC
Q2010	VS2SC3198-Y-1	J	2SC3198 (Y)	AA

DIODES

D52	RH-EX0673GEZZ	J	Zener Diode, 32V	AB
D62	RH-EX0673GEZZ	J	Zener Diode, 32V	AB
D361	VHD1SS119///-1	J	Diode	AB
D362	VHD1SS119///-1	J	Diode	AB
D405	RH-EX0628GEZZ	J	Zener Diode, 8.2V	AC
D406	VHD1SS119///-1	J	Diode	AB
D411	VHD1SS119///-1	J	Diode	AB
D412	RH-EX0618GEZZ	J	Zener Diode, 6.2V	AA
D413	RH-EX0618GEZZ	J	Zener Diode, 6.2V	AA
D414	RH-EX0618GEZZ	J	Zener Diode, 6.2V	AA
D617	RH-EX0631GEZZ	J	Zener Diode, 9V	AA
D618	RH-EX0631GEZZ	J	Zener Diode, 9V	AA
D619	VHD1SS119///-1	J	Diode	AB
D620	RH-EX0604GEZZ	J	Zener Diode, 3V	AB
D781	VHD1SS119///-1	J	Diode	AB
D782	VHD1SS119///-1	J	Diode	AB
D783	RH-DX0441CEZZ	J	Diode	AC
D784	VHD1SS119///-1	J	Diode	AB
D1301	RH-EX0631GEZZ	J	Zener Diode, 9V	AA
D1302	RH-EX0631GEZZ	J	Zener Diode, 9V	AA
D1303	RH-EX0631GEZZ	J	Zener Diode, 9V	AA
D1304	RH-EX0631GEZZ	J	Zener Diode, 9V	AA
D1305	RH-EX0631GEZZ	J	Zener Diode, 9V	AA
D1306	RH-EX0631GEZZ	J	Zener Diode, 9V	AA
D1308	RH-EX0631GEZZ	J	Zener Diode, 9V	AA
D1401	VHD1SS119///-1	J	Diode	AB
D1402	VHD1SS119///-1	J	Diode	AB
D1403	VHD1SS119///-1	J	Diode	AB
D1701	RH-EX0631GEZZ	J	Zener Diode, 9V	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTK9579WEK1(32K-X2000, CK32S60)					L1822	VP-XF100K0000	J	Peaking 10μH	AB
PWB-A: DUNTK9579WEK2(36K-X2000, CK36S60)					L1861	VP-XF100K0000	J	Peaking 10μH	AB
MAIN UNIT (Continued)					L1862	VP-XF100K0000	J	Peaking 10μH	AB
D1702	RH-EX0631GEZZ	J	Zener Diode, 9V	AA	L1863	VP-XF100K0000	J	Peaking 10μH	AB
D1703	RH-EX0631GEZZ	J	Zener Diode, 9V	AA	L2001	VP-XF100K0000	J	Peaking 10μH	AB
D1704	RH-EX0631GEZZ	J	Zener Diode, 9V	AA	L2002	VP-MK100K0000	J	Peaking 10μH	AB
D1791	RH-EX0604GEZZ	J	Zener Diode, 3V	AB	T2001	RCILB0158CEZZ	M	Oscillation Coil	
D1801	VHD1SS119//1	J	Diode	AB	CAPACITORS				
D1821	VHD1SS119//1	J	Diode	AB	<i>[EL.... Electrolytic]</i>				
D2004	VHD1SS119//1	J	Diode	AB	C51	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
D2005	RH-EX0616GEZZ	J	Zener Diode, 6.2V	AA	C52	VCEA0A1CW108M	J	1000 16V EL	AD
D2006	RH-EX0616GEZZ	J	Zener Diode, 6.2V	AA	C54	VCEA0A1HW105M	J	1.0 50V EL	AB
D2007	RH-EX0616GEZZ	J	Zener Diode, 6.2V	AA	C55	VCE9GA1CW106M	J	10 16V EL_(N.P)	AB
D2008	RH-EX0616GEZZ	J	Zener Diode, 6.2V	AA	C56	RC-QZA104TAYK	J	0.1 50V Mylar	AB
D2010	RH-EX0616GEZZ	J	Zener Diode, 6.2V	AA	C61	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
D2012	RH-EX0616GEZZ	J	Zener Diode, 6.2V	AA	C62	VCEA0A1CW108M	J	1000 16V EL	AD
D2013	RH-EX0616GEZZ	J	Zener Diode, 6.2V	AA	C64	VCEA0A1HW105M	J	1.0 50V EL	AB
D2014	RH-EX0616GEZZ	J	Zener Diode, 6.2V	AA	C65	VCE9GA1CW106M	J	10 16V EL_(N.P)	AB
D2015	RH-EX0616GEZZ	J	Zener Diode, 6.2V	AA	C66	RC-QZA104TAYK	J	0.1 50V Mylar	AB
D2016	RH-EX0616GEZZ	J	Zener Diode, 6.2V	AA	C351	VCEA0A1CW106M	J	10 16V EL	AB
D2017	RH-EX0616GEZZ	J	Zener Diode, 6.2V	AA	C360	VCEA0A1HW225M	J	2.2 50V EL	AB
D2024	RH-EX0616GEZZ	J	Zener Diode, 6.2V	AA	C361	VCEA0A1HW225M	J	2.2 50V EL	AB
D2025	RH-EX0616GEZZ	J	Zener Diode, 6.2V	AA	C363	VCEA0A1EW477M	J	470 25V EL	AD
D2026	RH-EX0616GEZZ	J	Zener Diode, 6.2V	AA	C364	VCEA0A1EW107M	J	100 25V EL	AC
D2027	RH-DX0441CEZZ	J	Diode	AC	C365	VCEA0A0JW107M	J	100 6.3V EL	AB
D2030	RH-EX0616GEZZ	J	Zener Diode, 6.2V	AA	C368	VCEA0A1CW477M	J	470 16V EL	AC
D2031	RH-DX0441CEZZ	J	Diode	AC	C369	VCEA0A1CW477M	J	470 16V EL	AC
D2032	RH-EX0616GEZZ	J	Zener Diode, 6.2V	AA	C370	VCEA0A0JW107M	J	100 6.3V EL	AB
D2033	RH-EX0616GEZZ	J	Zener Diode, 6.2V	AA	C371	RC-QZA104TAYK	J	0.1 50V Mylar	AB
D2081	RH-EX0616GEZZ	J	Zener Diode, 6.2V	AA	C372	RC-QZA104TAYK	J	0.1 50V Mylar	AB
D2089	VHD1SS119//1	J	Diode	AB	C380	RC-QZA103TAYK	J	0.01 50V Mylar	AA
PACKAGED CIRCUITS					C381	RC-QZA103TAYK	J	0.01 50V Mylar	AA
X801	RCRSB0001PEZZ	R	Crystal	AL	C401	VCEA0A1CW337M	J	330 16V EL	AC
X1861	RCRSB0241CEZZ	M	Crystal		C402	VCEA0A1VW226M	M	22 35V EL	
FILTERS					C403	VCKYCY1EB103K	J	0.01 25V Ceramic	AA
CF501	RFILAO034CEZZ	J	Filter	AD	C404	VCEA0A1HW105M	J	1.0 50V EL	AB
CF2001	RFILC0121GEZZ	J	Filter	AD	C405	VCEA0A1HW225M	J	2.2 50V EL	AB
COILS					C406	VCKYCY1EB103K	J	0.01 25V Ceramic	AA
L401	VP-XF4R7K0000	J	Peaking 4.7μH	AB	C407	VCEA0A1CW337M	J	330 16V EL	AC
L404	VP-XF4R7K0000	J	Peaking 4.7μH	AB	C408	VCEA0A1HW474M	J	0.47 50V EL	AB
L405	VP-XF4R7K0000	J	Peaking 4.7μH	AB	C409	VCFYSA1HB334J	J	0.33 50V Mylar	AB
L1401	VP-XF100K0000	J	Peaking 10μH	AB	C410	VCEA0A1HW105M	J	1.0 50V EL	AB
L1402	VP-XF100K0000	J	Peaking 10μH	AB	C411	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
L1403	VP-XF150K0000	J	Peaking 15μH	AB	C417	VCEA0A1CW106M	J	10 16V EL	AB
L1404	VP-XF330K0000	J	Peaking 33μH	AB	C418	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
L1407	VP-DF1R0K0000	J	Peaking 1μH	AB	C420	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
L1412	VP-DF1R0K0000	J	Peaking 1μH	AB	C424	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
L1721	VP-XF680K0000	J	Peaking 68μH	AB	C425	VCKYCY1HB471K	J	470p 50V Ceramic	AA
L1741	VP-DF1R0K0000	J	Peaking 1μH	AB	C426	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
L1742	VP-DF1R0K0000	J	Peaking 1μH	AB	C427	VCFYSA1HB104J	J	0.1 50V Mylar	AB
L1801	VP-XF100K0000	J	Peaking 10μH	AB	C430	VCEA0A1EW476M	J	47 25V EL	AB
L1811	VP-DFR27M0000	J	Peaking 0.27μH	AB	C431	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
L1812	VP-DFR27M0000	J	Peaking 0.27μH	AB	C440	VCKYCY1EB103K	J	0.01 25V Ceramic	AA
L1821	VP-XF100K0000	J	Peaking 10μH	AB	C447	VCEA0A1CW337M	J	330 16V EL	AC
					C601	VCFYSA1HB103J	J	0.01 50V Mylar	AA
					C613	VCKYCY1EB103K	J	0.01 25V Ceramic	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTK9579WEK1(32K-X2000, CK32S60)					C1318	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
PWB-A: DUNTK9579WEK2(36K-X2000, CK36S60)					C1319	VCE9GA1CW106M	J 10	16V EL_(N.P)	AB
MAIN UNIT (Continued)					C1320	VCKYCY1HB271K	J 270p	50V Ceramic	AA
C616	VCEA0A1HW225M	J 2.2	50V EL	AB	C1321	VCKYCY1HB271K	J 270p	50V Ceramic	AA
C617	VCEA0A1HW225M	J 2.2	50V EL	AB	C1322	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C618	VCFYSA1HB223J	J 0.022	50V Mylar	AA	C1323	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
C619	VCEA0A1CW337M	J 330	16V EL	AC	C1324	RC-QZA104TAYK	J 0.1	50V Mylar	AB
C620	VCKYCY1HB271K	J 270p	50V Ceramic	AA	C1325	VCEA0A1CW226M	J 22	16V EL	AB
C621	VCKYCY1HB152K	J 1500p	50V Ceramic	AA	C1326	VCEA0A1CW107M	J 100	16V EL	AC
C743	VCEA0A1CW476M	J 47	16V EL	AB	C1327	VCKYCY1HB271K	J 270p	50V Ceramic	AA
C744	VCEA0A1CW227M	J 220	16V EL	AC	C1328	VCKYCY1HB271K	J 270p	50V Ceramic	AA
C745	VCEA0A1CW476M	J 47	16V EL	AB	C1329	VCEA0A1HW105M	J 1.0	50V EL	AB
C746	VCEA0A1CW106M	J 10	16V EL	AB	C1330	VCEA0A1HW105M	J 1.0	50V EL	AB
C780	VCEA0A1CW106M	J 10	16V EL	AB	C1332	RC-QZA104TAYK	J 0.1	50V Mylar	AB
C781	VCEA0A1CW476M	J 47	16V EL	AB	C1333	VCE9GA1HW335M	J 3.3	50V EL_(N.P)	AB
C782	VCEA0A1CW106M	J 10	16V EL	AB	C1334	VCE9GA1HW335M	J 3.3	50V EL_(N.P)	AB
C783	VCEA0A1CW476M	J 47	16V EL	AB	C1338	RC-QZA104TAYK	J 0.1	50V Mylar	AB
C785	VCEA0A1CW228M	M 2200	16V EL		C1339	VCKYPA1HF103Z	J 0.01	50V Ceramic	AA
C786	VCEA0A1CW106M	J 10	16V EL	AB	C1401	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
C787	VCEA0A1CW228M	M 2200	16V EL		C1402	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
C788	VCEA0A1CW108M	J 1000	16V EL	AD	C1404	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
C803	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA	C1405	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C806	VCKYCY1CB104K	J 0.1	16V Ceramic	AB	C1406	VCEA0A0JW476M	J 47	6.3V EL	AB
C807	VCEA0A1HW225M	J 2.2	50V EL	AB	C1407	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
C812	VCEAGA1HW224T	J 0.22	50V EL	AB	C1408	VCCCCY1HH181J	J 180p	50V Ceramic	AA
C813	VCQYTA1HM222J	J 2200p	50V Mylar	AA	C1409	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
C814	VCCCCY1HH110J	J 11p	50V Ceramic	AA	C1410	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
C817	VCCCCY1HH1R0C	J 1.0p	50V Ceramic	AA	C1411	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
C818	VCKYCY1CB104K	J 0.1	16V Ceramic	AB	C1412	VCEA0A0JW476M	J 47	6.3V EL	AB
C819	VCKYCY1CB104K	J 0.1	16V Ceramic	AB	C1413	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C820	VCKYCY1CB104K	J 0.1	16V Ceramic	AB	C1414	VCFYSA1HB474J	J 0.47	50V	AC
C821	VCKYCY1CB104K	J 0.1	16V Ceramic	AB	C1415	VCCCCY1HH150J	J 15p	50V Ceramic	AA
C822	VCKYCY1CB104K	J 0.1	16V Ceramic	AB	C1416	VCEA0A1CW107M	J 100	16V EL	AC
C843	VCKYCY1EB103K	J 0.01	25V Ceramic	AA	C1417	VCCCCY1HH390J	J 39p	50V Ceramic	AA
C844	VCKYCY1EB103K	J 0.01	25V Ceramic	AA	C1418	VCCCCY1HH120J	J 12p	50V Ceramic	AA
C845	VCKYCY1EB103K	J 0.01	25V Ceramic	AA	C1420	VCCCCY1HH120J	J 12p	50V Ceramic	AA
C901	VCEA0A1HW475M	J 4.7	50V EL	AB	C1421	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C903	VCEA0A1HW475M	J 4.7	50V EL	AB	C1422	VCEA0A1CW476M	J 47	16V EL	AB
C905	VCEA0A1HW336M	M 33	50V EL		C1423	RC-QZA473TAYJ	J 0.047	50V Mylar	AB
C956	VCEA0A1CW337M	J 330	16V EL	AC	C1424	VCEA0A1HW105M	J 1.0	50V EL	AB
C1301	RC-QZA104TAYK	J 0.1	50V Mylar	AB	C1425	RC-QZA472TAYJ	J 0.0047	50V Mylar	AB
C1302	VCEA0A1HW105M	J 1.0	50V EL	AB	C1426	RC-QZA473TAYJ	J 0.047	50V Mylar	AB
C1303	VCEA0A1HW105M	J 1.0	50V EL	AB	C1428	RC-QZA472TAYJ	J 0.0047	50V Mylar	AB
C1304	RC-QZA104TAYK	J 0.1	50V Mylar	AB	C1429	VCEA0A1HW105M	J 1.0	50V EL	AB
C1305	VCEA0A1HW105M	J 1.0	50V EL	AB	C1430	VCKYPA1HF103Z	J 0.01	50V Ceramic	AA
C1306	VCEA0A1HW105M	J 1.0	50V EL	AB	C1431	VCKYPA1HF103Z	J 0.01	50V Ceramic	AA
C1307	VCFYSA1HB183J	J 0.018	50V Mylar	AA	C1432	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C1308	VCEA0A1HW335M	J 3.3	50V EL	AB	C1433	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C1309	VCEA0A1HW335M	J 3.3	50V EL	AB	C1434	VCEA0A1CW106M	J 10	16V EL	AB
C1310	RC-QZA104TAYK	J 0.1	50V Mylar	AB	C1435	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C1311	VCFYSA1HB183J	J 0.018	50V Mylar	AA	C1437	VCCSPA1HL102J	J 1000p	50V Ceramic	AA
C1312	VCKYPA1HF103Z	J 0.01	50V Ceramic	AA	C1438	VCE9GA1CW106M	J 10	16V EL_(N.P)	AB
C1313	VCKYCY1HB271K	J 270p	50V Ceramic	AA	C1439	VCE9GA1CW106M	J 10	16V EL_(N.P)	AB
C1314	VCKYCY1HB271K	J 270p	50V Ceramic	AA	C1440	VCKYCY1HB102K	J 1000p	50V Ceramic	AA
C1315	VCKYCY1HB271K	J 270p	50V Ceramic	AA	C1450	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C1316	VCKYCY1HB271K	J 270p	50V Ceramic	AA	C1701	VCEA0A1CW106M	J 10	16V EL	AB

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTK9579WEK1(32K-X2000, CK32S60)									
PWB-A: DUNTK9579WEK2(36K-X2000, CK36S60)									
MAIN UNIT (Continued)									
C1702	VCEA0A1AW337M	M 330	10V EL		C1849	VCEA0A1HW106M	J 10	50V EL	AB
C1703	VCEA0A1CW106M	J 10	16V EL	AB	C1850	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C1704	VCEA0A1CW106M	J 10	16V EL	AB	C1851	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
C1705	VCEA0A1CW476M	J 47	16V EL	AB	C1861	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C1706	VCEA0A1CW106M	J 10	16V EL	AB	C1862	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C1707	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA	C1863	VCCCCY1HH101J	J 100p	50V Ceramic	AA
C1708	VCE9GA1CW106M	J 10	16V EL_(N.P)	AB	C1865	RC-QZA154TAYJ	J 0.15	50V Mylar	AC
C1710	VCEA0A1HW105M	J 1.0	50V EL	AB	C1866	RC-QZA103TAYJ	J 0.01	50V Mylar	AB
C1711	VCEA0A1CW476M	J 47	16V EL	AB	C1867	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C1712	VCKYCY1CB104K	J 0.1	16V Ceramic	AB	C1868	VCFYSA1HB474J	J 0.47	50V Mylar	AC
C1714	VCEA0A1CW106M	J 10	16V EL	AB	C1869	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
C1715	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA	C1870	VCEA0A1HW106M	J 10	50V EL	AB
C1718	VCEA0A1HW105M	J 1.0	50V EL	AB	C1871	VCEA0A1HW106M	J 10	50V EL	AB
C1719	VCKYCY1CB104K	J 0.1	16V Ceramic	AB	C1872	VCKYCY1EB103K	J 0.01	25V Ceramic	AA
C1720	VCEA0A1CW106M	J 10	16V EL	AB	C2001	VCCCCY1HH330J	J 33p	50V Ceramic	AA
C1721	VCE9GA1CW106M	J 10	16V EL_(N.P)	AB	C2002	VCCCCY1HH330J	J 33p	50V Ceramic	AA
C1722	VCCCCY1HH330J	J 33p	50V Ceramic	AA	C2003	VCCCCY1HH330J	J 33p	50V Ceramic	AA
C1723	VCEA0A1CW106M	J 10	16V EL	AB	C2004	VCCCCY1HH330J	J 33p	50V Ceramic	AA
C1724	VCFYSA1HB104J	J 0.1	50V Mylar	AB	C2005	VCEA0A1HW335M	J 3.3	50V EL	AB
C1725	VCFYSA1HB104J	J 0.1	50V Mylar	AB	C2006	VCEA0A1HW105M	J 1.0	50V EL	AB
C1726	VCFYSA1HB104J	J 0.1	50V Mylar	AB	C2007	VCKYCY1HB561K	J 560p	50V Ceramic	AA
C1727	VCEA0A1CW106M	J 10	16V EL	AB	C2008	VCFYSA1HB104J	J 0.1	50V Mylar	AB
C1728	VCE9GA1CW106M	J 10	16V EL_(N.P)	AB	C2009	VCKYCY1HB102K	J 1000p	50V Ceramic	AA
C1729	VCEA0A1HW106M	J 10	50V EL	AB	C2010	VCKYCY1HB221K	J 220p	50V Ceramic	AA
C1741	RC-QZA473TAYJ	J 0.047	50V Mylar	AB	C2011	VCEA0A1HW105M	J 1.0	50V EL	AB
C1742	VCEA0A1HW105M	J 1.0	50V EL	AB	C2012	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
C1743	RC-QZA472TAYJ	J 0.0047	50V Mylar	AB	C2013	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C1744	VCKYCY1CB104K	J 0.1	16V Ceramic	AB	C2014	VCKYCY1HB102K	J 1000p	50V Ceramic	AA
C1747	VCKYPA1HF103Z	J 0.01	50V Ceramic	AA	C2016	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
C1791	VCEA0A1AW107M	J 100	10V EL	AB	C2017	VCCCCY1HH101J	J 100p	50V Ceramic	AA
C1792	VCEA0A1AW107M	J 100	10V EL	AB	C2018	VCCCCY1HH101J	J 100p	50V Ceramic	AA
C1793	VCKYPA1HF103Z	J 0.01	50V Ceramic	AA	C2019	VCKYCY1HB102K	J 1000p	50V Ceramic	AA
C1801	VCKYCY1CB104K	J 0.1	16V Ceramic	AB	C2020	VCKYCY1HB102K	J 1000p	50V Ceramic	AA
C1802	VCKYCY1EB103K	J 0.01	25V Ceramic	AA	C2021	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
C1803	VCKYCY1EB103K	J 0.01	25V Ceramic	AA	C2022	VCEA0A1CW106M	J 10	16V EL	AB
C1804	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA	C2023	VCEA0A1AW107M	J 100	10V EL	AB
C1805	VCEA0A1HW106M	J 10	50V EL	AB	C2024	VCEA0A1CW106M	J 10	16V EL	AB
C1806	VCKYCY1CB104K	J 0.1	16V Ceramic	AB	C2025	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
C1807	VCKYCY1EB103K	J 0.01	25V Ceramic	AA	C2026	VCEA0A0JW477M	J 470	6.3V EL	AC
C1809	VCKYCY1EB103K	J 0.01	25V Ceramic	AA	C2027	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
C1810	VCEA0A1HW336M	M 33	50V EL		C2028	VCEA0A1AW107M	J 100	10V EL	AB
C1811	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA	C2029	VCFYSA1HB474J	J 0.47	50V Mylar	AC
C1812	VCEA0A1HW106M	J 10	50V EL	AB	C2030	VCEA0A1CW106M	J 10	16V EL	AB
C1821	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA	C2031	VCEA0A1CW338M	M 3300	16V EL	
C1822	VCEA0A1HW106M	J 10	50V EL	AB	C2032	VCCCCY1HH270J	J 27p	50V Ceramic	AA
C1833	RC-QZA562TAYJ	J 0.0056	50V Mylar	AB	C2033	RC-EZ0425GEZZ	J 0.047	5.5V EL	AE
C1841	VCEA0A1HW106M	J 10	50V EL	AB	C2034	VCCCCY1HH390J	J 39p	50V Ceramic	AA
C1843	VCCCCY1HH680J	J 68p	50V Ceramic	AA	C2035	VCCCPA1HH330J	J 33p	50V Ceramic	AA
C1844	VCKYCY1CB104K	J 0.1	16V Ceramic	AB	C2040	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C1845	VCKYCY1EB103K	J 0.01	25V Ceramic	AA	C2042	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
C1846	VCCCCY1HH151J	J 150p	50V Ceramic	AA	C2044	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C1847	VCKYCY1EB103K	J 0.01	25V Ceramic	AA	C2085	VCEA0A1CW476M	J 47	16V EL	AB
C1848	VCKYCY1CB104K	J 0.1	16V Ceramic	AB	C2088	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
					C3001	VCE9GA1HW475M	J 4.7	50V EL_(N.P)	AB
					C3002	VCKYCY1HB562K	J 5600p	50V Ceramic	AA
					C3003	RC-QZA123TAYK	J 0.01	50V Mylar	AB

Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTK9579WEK1(32K-X2000, CK32S60)				
PWB-A: DUNTK9579WEK2(36K-X2000, CK36S60)				
MAIN UNIT (Continued)				
C3004	VCEA0A1HW105M	J 1.0	50V EL	AB
C3005	VCE9GA1HW475M	J 4.7	50V EL_(N.P)	AB
C3006	VCEA0A1HW106M	J 10	50V EL	AB
C3007	VCEA0A1HW475M	J 4.7	50V EL	AB
C3008	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
C3009	VCEA0A1CW227M	J 220	16V EL	AC
C3010	VCE9GA1HW475M	J 4.7	50V EL_(N.P)	AB
C3011	VCEA0A1HW475M	J 4.7	50V EL	AB
C3012	VCE9GA1HW475M	J 4.7	50V EL_(N.P)	AB
C3013	VCKYCY1HB272K	J 2700p	50V Ceramic	AA
C3014	RC-QZA473TAYK	J 0.047	50V Mylar	AB
C3015	VCSATA1CE335K	J 3.3	16V Tantalum_(N.P)AC	
C3016	VCE9GA1HW475M	J 4.7	50V EL_(N.P)	AB
C3017	VCSATA1CE106K	J 10	16V Tantalum_(N.P)AD	
C3018	VCEA0A1HW105M	J 1.0	50V EL	AB
C3029	VCKYCY1HB682K	J 6800p	50V Ceramic	AA
C3030	VCKYCY1HB682K	J 6800p	50V Ceramic	AA
C3031	VCKYCY1CB473K	J 0.047	16V Ceramic	AA
C3032	VCKYCY1CB473K	J 0.047	16V Ceramic	AA
C3201	VCE9GA1HW475M	J 4.7	50V EL_(N.P)	AB
C3202	VCE9GA1HW475M	J 4.7	50V EL_(N.P)	AB
C3203	VCEA0A1HW475M	J 4.7	50V EL	AB
C3204	VCEA0A1CW106M	J 10	16V EL	AB
C3205	VCEA0A1CW106M	J 10	16V EL	AB
C3206	VCKYCY1HB103K	J 0.01	50V Ceramic	AA
C3207	VCE9GA1HW475M	J 4.7	50V EL_(N.P)	AB
C3208	VCE9GA1HW475M	J 4.7	50V EL_(N.P)	AB
C3209	VCEA0A1CW106M	J 10	16V EL	AB
C3301	VCKYCY1CB273K	J 0.027	16V Ceramic	AA
C3302	VCKYCY1HB472K	J 4700p	50V Ceramic	AA
C3303	VCKYCY1HB471K	J 470p	50V Ceramic	AA
C3304	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C3305	VCKYCY1EB153K	J 0.015	25V Ceramic	AA
C3306	VCKYCY1HB222K	J 2200p	50V Ceramic	AA
C3307	VCKYCY1HB472K	J 4700p	50V Ceramic	AA
C3308	VCFYSA1HB474J	J 0.47	50V Mylar	AC
C3309	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C3310	VCKYCY1EB103K	J 0.01	25V Ceramic	AA
C3311	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C3312	VCKYCY1EB103K	J 0.01	25V Ceramic	AA
C3313	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C3314	VCKYCY1EB103K	J 0.01	25V Ceramic	AA
C3315	VCEA0A1CW107M	J 100	16V EL	AC
C3316	VCEA0A1CW106M	J 10	16V EL	AB
C3317	VCEA0A1CW106M	J 10	16V EL	AB
C3318	VCE9GA1HW475M	J 4.7	50V EL_(N.P)	AB
C3319	VCE9GA1HW475M	J 4.7	50V EL_(N.P)	AB
C3320	VCEA0A1HW106M	J 10	50V EL	AB
C3321	VCFYSA1HB474J	J 0.47	50V Mylar	AC
C3322	RC-QZA472TAYK	J 0.0047	50V Mylar	AA
C3323	VCFYSA1HB474J	J 0.47	50V Mylar	AC

RESISTORS

Ref. No.	Part No.	★	Description	Code
[M-Ox... Metal Oxide, M-Film... Metal Film]				
RJ1	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ2	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ3	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ4	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ5	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ6	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ7	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ8	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ9	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ15	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ19	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ24	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ25	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ26	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ27	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ28	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ29	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ30	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ31	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ32	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ33	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ34	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ36	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ38	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ40	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ42	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ45	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ50	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ51	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ52	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ53	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ56	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ57	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ58	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ63	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
RJ64	VRS-CY1JF000J	J 00	1/16W M-Ox.	AA
R52	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R53	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R54	VRD-RA2BE1R0J	J 1.0	1/8W Carbon	AA
R62	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R63	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R64	VRD-RA2BE1R0J	J 1.0	1/8W Carbon	AA
R351	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R352	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R360	VRS-CY1JF560J	J 56	1/16W M-Ox.	AA
R361	VRD-RA2BE472J	J 4.7k	1/8W Carbon	AA
R362	VRD-RA2BE472J	J 4.7k	1/8W Carbon	AA
R363	VRS-CY1JF122J	J 1.2k	1/16W M-Ox.	AA
R364	VRS-CY1JF122J	J 1.2k	1/16W M-Ox.	AA
R365	VRS-CY1JF221J	J 220	1/16W M-Ox.	AA
R370	VRS-CY1JF221J	J 220	1/16W M-Ox.	AA
R371	VRD-RA2EE3R3J	J 3.3	1/4W Carbon	AA
R372	VRD-RA2EE3R3J	J 3.3	1/4W Carbon	AA
R401	VRS-CY1JF562J	J 5.6k	1/16W M-Ox.	AA
R402	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTK9579WEK1(32K-X2000, CK32S60)					R782	VRS-VV3DB330J	J 33	2W M-Ox.	AA
PWB-A: DUNTK9579WEK2(36K-X2000, CK36S60)					R783	VRD-RA2BE122J	J 1.2k	1/8W Carbon	AA
MAIN UNIT (Continued)					R784	VRS-RG3LB100J	M 10	3.0W M-Ox.	
R403	VRD-RA2EE680J	J 68	1/4W Carbon	AA	R785	VRD-RA2BE180J	J 18	1/8W Carbon	AA
R405	VRS-CY1JF471J	J 470	1/16W M-Ox.	AA	R803	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R406	VRS-CY1JF471J	J 470	1/16W M-Ox.	AA	R807	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA
R407	VRD-RA2BE103J	J 10k	1/8W Carbon	AA	R814	VRS-CY1JF332J	J 3.3k	1/16W M-Ox.	AA
R410	VRS-CY1JF820J	J 82	1/16W M-Ox.	AA	R817	VRS-CY1JF273J	J 27k	1/16W M-Ox.	AA
R411	VRS-CY1JF820J	J 82	1/16W M-Ox.	AA	R820	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R412	VRS-CY1JF820J	J 82	1/16W M-Ox.	AA	R821	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R414	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA	R822	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R415	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA	R823	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R416	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA	R824	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R418	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA	R825	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R419	VRS-CY1JF822J	J 8.2k	1/16W M-Ox.	AA	R826	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R425	VRS-CY1JF474J	J 470k	1/16W M-Ox.	AA	R827	VRS-CY1JF181J	J 180	1/16W M-Ox.	AA
R428	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA	R828	VRS-CY1JF181J	J 180	1/16W M-Ox.	AA
R432	VRS-CY1JF823J	J 82k	1/16W M-Ox.	AA	R829	VRS-CY1JF682J	J 6.8k	1/16W M-Ox.	AA
R434	VRS-CY1JF124J	J 120k	1/16W M-Ox.	AA	R830	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R435	VRS-CY1JF395J	J 3.9M	1/16W M-Ox.	AA	R903	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R436	VRS-CY1JF332J	J 3.3k	1/16W M-Ox.	AA	R904	VRS-CY1JF683J	J 68k	1/16W M-Ox.	AA
R437	VRS-CY1JF154J	J 150k	1/16W M-Ox.	AA	R905	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
R438	VRS-CY1JF333J	J 33k	1/16W M-Ox.	AA	R906	VRS-CY1JF392J	J 3.9k	1/16W M-Ox.	AA
R439	VRS-CY1JF273J	J 27k	1/16W M-Ox.	AA	R907	VRS-CY1JF182J	J 1.8k	1/16W M-Ox.	AA
R440	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA	R908	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R441	VRS-CY1JF471J	J 470	1/16W M-Ox.	AA	R910	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R442	VRS-CY1JF100J	J 10	1/16W M-Ox.	AA	R911	VRS-CY1JF683J	J 68k	1/16W M-Ox.	AA
R444	VRS-CY1JF471J	J 470	1/16W M-Ox.	AA	R912	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
R445	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA	R913	VRS-CY1JF392J	J 3.9k	1/16W M-Ox.	AA
R447	VRS-CY1JF472J	J 4.7k	1/16W M-Ox.	AA	R914	VRS-CY1JF182J	J 1.8k	1/16W M-Ox.	AA
R448	VRS-CY1JF151J	J 150	1/16W M-Ox.	AA	R915	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R449	VRS-CY1JF100J	J 10	1/16W M-Ox.	AA	R920	VRS-CY1JF683J	J 68k	1/16W M-Ox.	AA
R455	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA	R921	VRS-CY1JF332J	J 3.3k	1/16W M-Ox.	AA
R456	VRD-RA2EE152J	J 1.5k	1/4W Carbon	AA	R922	VRS-CY1JF332J	J 3.3k	1/16W M-Ox.	AA
R461	VRD-RA2BE182J	J 1.8k	1/8W Carbon	AA	R963	VRD-RA2BE331J	J 330	1/8W Carbon	AA
R462	VRS-CY1JF393J	J 39k	1/16W M-Ox.	AA	R1301	VRS-CY1JF750J	J 75	1/16W M-Ox.	AA
R463	VRS-CY1JF273J	J 27k	1/16W M-Ox.	AA	R1302	VRS-CY1JF750J	J 75	1/16W M-Ox.	AA
R464	VRS-CY1JF393J	J 39k	1/16W M-Ox.	AA	R1305	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R540	VRS-CY1JF391J	J 390	1/16W M-Ox.	AA	R1306	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R541	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA	R1307	VRS-CY1JF750J	J 75	1/16W M-Ox.	AA
R602	VRS-CY1JF103J	J 10k	1/16W M-Ox.	AA	R1309	VRS-CY1JF750J	J 75	1/16W M-Ox.	AA
R603	VRD-RA2EE331J	J 330	1/4W Carbon	AA	R1310	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R613	VRS-CY1JF332J	J 3.3k	1/16W M-Ox.	AA	R1311	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
R616	VRS-CY1JF182J	J 1.8k	1/16W M-Ox.	AA	R1312	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R617	VRS-CY1JF103J	J 10k	1/16W M-Ox.	AA	R1313	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
R618	VRS-CY1JF274J	J 270k	1/16W M-Ox.	AA	R1314	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R620	VRD-RA2BE153J	J 15k	1/8W Carbon	AA	R1315	VRS-CY1JF103J	J 10k	1/16W M-Ox.	AA
R627	VRS-SV2HC101J	J 100	1/2W M-Ox.	AA	R1316	VRS-CY1JF333J	J 33k	1/16W M-Ox.	AA
R738	VRS-VV3DB123J	J 12k	2W M-Ox.	AA	R1317	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R741	VRS-RG3AB681J	M 680	1W M-Ox.		R1318	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
R742	VRD-RA2EE682J	J 6.8k	1/4W Carbon	AA	R1319	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
R744	VRS-RG3DB330J	M 33	2W M-Ox.		R1320	VRS-CY1JF333J	J 33k	1/16W M-Ox.	AA
R745	VRS-RG3LB120J	M 12	3.0W M-Ox.		R1321	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R746	VRS-RG3DB330J	M 33	2W M-Ox.		R1323	VRS-CY1JF181J	J 180	1/16W M-Ox.	AA
R747	VRD-RA2BE333J	J 33k	1/8W Carbon	AA	R1324	VRS-CY1JF181J	J 180	1/16W M-Ox.	AA
R781	VRN-RL2HC1R0J	M 1.0	1/2W M-Film		R1325	VRS-CY1JF152J	J 1.5k	1/16W M-Ox.	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTK9579WEK1(32K-X2000, CK32S60)									
PWB-A: DUNTK9579WEK2(36K-X2000, CK36S60)									
MAIN UNIT (Continued)									
R1326	VRS-CY1JF182J	J	1.8k 1/16W M-Ox.	AA	R1441	VRS-CY1JF224J	J	220k 1/16W M-Ox.	AA
R1327	VRS-CY1JF152J	J	1.5k 1/16W M-Ox.	AA	R1442	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R1328	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R1443	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R1329	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R1444	VRD-RA2BE182J	J	1.8k 1/8W Carbon	AA
R1330	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA	R1445	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R1331	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R1446	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R1332	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R1447	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA
R1333	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R1450	VRS-CY1JF273J	J	27k 1/16W M-Ox.	AA
R1334	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R1452	VRS-CY1JF562J	J	5.6k 1/16W M-Ox.	AA
R1335	VRD-RA2BE100J	J	10 1/8W Carbon	AA	R1453	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R1336	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA	R1701	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA
R1337	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R1702	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R1338	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA	R1703	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA
R1359	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R1704	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R1360	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA	R1705	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA
R1361	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA	R1706	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R1362	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R1707	VRS-CY1JF821J	J	820 1/16W M-Ox.	AA
R1363	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R1708	VRS-CY1JF821J	J	820 1/16W M-Ox.	AA
R1401	VRS-CY1JF821J	J	820 1/16W M-Ox.	AA	R1709	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R1402	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	R1710	VRS-CY1JF152J	J	1.5k 1/16W M-Ox.	AA
R1405	VRS-CY1JF392J	J	3.9k 1/16W M-Ox.	AA	R1711	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R1406	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA	R1712	VRS-CY1JF392J	J	3.9k 1/16W M-Ox.	AA
R1407	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	R1713	VRS-CY1JF152J	J	1.5k 1/16W M-Ox.	AA
R1408	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R1714	VRS-CY1JF561J	J	560 1/16W M-Ox.	AA
R1411	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA	R1715	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R1412	VRS-CY1JF152J	J	1.5k 1/16W M-Ox.	AA	R1717	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R1413	VRS-CY1JF561J	J	560 1/16W M-Ox.	AA	R1718	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R1414	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	R1720	VRS-CY1JF392J	J	3.9k 1/16W M-Ox.	AA
R1415	VRS-CY1JF471J	J	470 1/16W M-Ox.	AA	R1721	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA
R1416	VRS-CY1JF821J	J	820 1/16W M-Ox.	AA	R1722	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R1418	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	R1723	VRS-CY1JF822J	J	8.2k 1/16W M-Ox.	AA
R1419	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	R1724	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R1420	VRS-CY1JF151J	J	150 1/16W M-Ox.	AA	R1728	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R1421	VRS-CY1JF122J	J	1.2k 1/16W M-Ox.	AA	R1729	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R1422	VRS-CY1JF684J	J	680k 1/16W M-Ox.	AA	R1731	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R1423	VRS-CY1JF122J	J	1.2k 1/16W M-Ox.	AA	R1732	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R1424	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA	R1733	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R1425	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA	R1741	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA
R1426	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	R1742	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R1427	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	R1743	VRS-CY1JF151J	J	150 1/16W M-Ox.	AA
R1428	VRS-CY1JF151J	J	150 1/16W M-Ox.	AA	R1744	VRS-CY1JF122J	J	1.2k 1/16W M-Ox.	AA
R1429	VRS-CY1JF122J	J	1.2k 1/16W M-Ox.	AA	R1745	VRS-CY1JF474J	J	470k 1/16W M-Ox.	AA
R1430	VRS-CY1JF684J	J	680k 1/16W M-Ox.	AA	R1746	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA
R1431	VRS-CY1JF122J	J	1.2k 1/16W M-Ox.	AA	R1747	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R1432	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA	R1791	VRD-RA2BE151J	J	150 1/8W Carbon	AA
R1433	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA	R1801	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA
R1434	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R1810	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R1435	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA	R1812	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R1436	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA	R1813	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R1437	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R1816	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA
R1438	VRD-RA2BE332G	J	3.3k 1/8W Carbon	AA	R1817	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R1439	VRD-RA2BE152G	J	1.5k 1/8W Carbon	AA	R1819	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R1440	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA	R1821	VRS-CY1JF123J	J	12k 1/16W M-Ox.	AA
					R1822	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
					R1823	VRS-CY1JF183J	J	18k 1/16W M-Ox.	AA
					R1825	VRS-CY1JF183J	J	18k 1/16W M-Ox.	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTK9579WEK1(32K-X2000, CK32S60)					R2037	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
PWB-A: DUNTK9579WEK2(36K-X2000, CK36S60)					R2038	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
MAIN UNIT (Continued)					R2039	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R1828	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA	R2040	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R1831	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA	R2041	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R1832	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA	R2042	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA
R1833	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA	R2043	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R1834	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA	R2044	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1841	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA	R2045	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R1842	VRS-CY1JF471J	J	470 1/16W M-Ox.	AA	R2046	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R1843	VRS-CY1JF391J	J	390 1/16W M-Ox.	AA	R2048	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R1861	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA	R2049	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R1862	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	R2050	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA
R1863	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA	R2052	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R1864	VRS-CY1JF221J	J	220 1/16W M-Ox.	AA	R2053	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA
R1865	VRS-CY1JF474J	J	470k 1/16W M-Ox.	AA	R2055	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R1866	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA	R2056	VRD-RA2EE151J	J	150 1/4W Carbon	AA
R1867	VRS-CY1JF202J	J	2.0k 1/16W M-Ox.	AA	R2057	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R1868	VRS-CY1JF510J	M	51 1/16W M-Ox.		R2058	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R1869	VRS-CY1JF122J	J	1.2k 1/16W M-Ox.	AA	R2059	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA
R1870	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	R2061	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R1990	VRS-CY1JF123J	J	12k 1/16W M-Ox.	AA	R2062	VRD-RA2BE823J	J	82k 1/8W Carbon	AA
R2000	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R2063	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R2001	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA	R2064	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA
R2002	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA	R2065	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R2003	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA	R2066	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA
R2004	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA	R2067	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R2006	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R2068	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R2007	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA	R2069	VRS-CY1JF123J	J	12k 1/16W M-Ox.	AA
R2008	VRD-RA2BE273J	J	27k 1/8W Carbon	AA	R2070	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R2009	VRD-RA2BE223J	J	22k 1/8W Carbon	AA	R2071	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R2011	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA	R2072	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R2012	VRD-RA2BE101J	J	100 1/8W Carbon	AB	R2073	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R2013	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R2074	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R2014	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R2075	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R2015	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA	R2076	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R2016	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA	R2077	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R2017	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA	R2078	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA
R2019	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA	R2080	VRS-CY1JF471J	J	470 1/16W M-Ox.	AA
R2020	VRD-RA2EE821J	J	820 1/4W Carbon	AA	R2081	VRS-CY1JF471J	J	470 1/16W M-Ox.	AA
R2021	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R2082	VRS-CY1JF122J	J	1.2k 1/16W M-Ox.	AA
R2022	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA	R2083	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA
R2023	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA	R2087	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R2024	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R2088	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA
R2025	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA	R2089	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R2026	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R2092	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R2027	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA	R2093	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R2028	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA	R2094	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA
R2029	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R2095	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R2030	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA	R2096	VRS-RG3DB470J	M	47 2W M-Ox.	
R2031	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA	R2097	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R2032	VRD-RA2EE182J	J	1.8k 1/4W Carbon	AA	R2099	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R2033	VRS-CY1JF471J	J	470 1/16W M-Ox.	AA	R2161	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R2034	VRS-CY1JF105J	J	1.0M 1/16W M-Ox.	AA	R2162	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R2035	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA	R2163	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R2036	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	R2164	VRS-CY1JF392J	J	3.9k 1/16W M-Ox.	AA

Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTK9579WEK1(32K-X2000, CK32S60)				
PWB-A: DUNTK9579WEK2(36K-X2000, CK36S60)				
MAIN UNIT (Continued)				
R2165	VRS-CY1JF392J	J	3.9k 1/16W M-Ox.	AA
R2166	VRS-CY1JF392J	J	3.9k 1/16W M-Ox.	AA
R2171	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R2173	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA
R3001	VRD-RA2BE221J	J	220 1/8W Carbon	AA
R3002	VRD-RA2BE221J	J	220 1/8W Carbon	AA
R3003	VRS-CY1JF105J	J	1.0M 1/16W M-Ox.	AA
R3004	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
R3005	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA
R3006	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA
R3007	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA
R3008	VRS-CY1JF152J	J	1.5k 1/16W M-Ox.	AA
R3009	VRS-CY1JF152J	J	1.5k 1/16W M-Ox.	AA
R3010	VRS-CY1JF392J	J	3.9k 1/16W M-Ox.	AA
R3011	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R3012	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R3013	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R3014	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R3015	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R3016	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R3017	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R3018	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R3104	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R3201	VRD-RA2BE225J	J	2.2M 1/8W Carbon	AA
R3202	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R3203	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R3301	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R3302	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
R3303	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R3304	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
R3305	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R3306	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
R3311	VRS-CY1JF822J	J	8.2k 1/16W M-Ox.	AA
R3312	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA
R3313	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA
R3314	VRS-CY1JF623J	J	62k 1/16W M-Ox.	AA
R3315	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R3316	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA
R3317	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA
R3318	VRS-CY1JF392J	J	3.9k 1/16W M-Ox.	AA
R3319	VRS-CY1JF432J	J	4.3k 1/16W M-Ox.	AA
R3320	VRS-CY1JF152J	J	1.5k 1/16W M-Ox.	AA
R3321	VRS-CY1JF114J	J	110k 1/16W M-Ox.	AA
R3322	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
MISCELLANEOUS PARTS				
J1301	QTANJ0821CEZZ	J	Terminal, Video/Audio-in	AL
J1302	QSOC0430CEZZ	J	Socket, Video-1, S-VIDEO	AE
J1303	QSOC0430CEZZ	J	Socket, Video-2, S-VIDEO	AE
J1701	QTANJ0527CEZZ	J	Terminal, Component-in	AH
J2001	QJAKA0022CEZZ	J	Jack, IR	AC
P109	QPLGN0661CEZZ	J	Plug, 6-Pin (EJ)	AD
P351	QPLGN0461CEZZ	J	Plug, 4-Pin (S)	AB

Ref. No.	Part No.	★	Description	Code
P404	QPLGN0461CEZZ	J	Plug, 4-Pin (PA)	AB
P603	QPLGN0861CEZZ	J	Plug, 8-Pin (D)	AC
P706	QPLGN0160CEZZ	J	Plug, 1-Pin (SG)	AB
P1801	QPLGN0961CEZZ	J	Plug, 9-Pin (C)	AD
P1802	QPLGN0561CEZZ	J	Plug, 5-Pin (CJ)	AB
P1803	QPLGN1061CEZZ	J	Plug, 10-Pin (H)	AC
P2001	QPLGN0561CEZZ	J	Plug, 5-Pin (TP2001-5)	AB
P2002	QPLGN0561CEZZ	J	Plug, 5-Pin (KA)	AB
P2003	QPLGN0461CEZZ	J	Plug, 4-Pin (YR)	AB
SC2103	QSOCN0785CEZZ	J	Socket, for TV Guide Unit	AC
SC2104	QSOCN1085CEZZ	J	Socket, for TV Guide Unit	AD
SC2105	QSOCN0685CEZZ	J	Socket, for TV Guide Unit	AC
RDA361	PRDAR5006MEFW	M	Heat Sink, for IC361	
RDA740	PRDAR5072CEFW	J	Heat Sink, for IC740	AC
RDA741	PRDAR5072CEFW	J	Heat Sink, for IC741	AC
SLD1801	PSLDM0012MEFW	M	Shield	
LHLDW1002PEZZ		R	Holder	AB
LX-BZ3049GEFD		J	Screw	AA
— End of MAIN UNIT —				
PWB-B: DUNTK8669WEK8(32K-X2000, CK32S60)				
PWB-B: DUNTK8669WEK9(36K-X2000, CK36S60)				
CRT UNIT				
TRANSISTORS				
Q850	VS2SC5147//-1	J	2SC5147	AG
Q851	VS2SC5147//-1	J	2SC5147	AG
Q852	VS2SC5147//-1	J	2SC5147	AG
Q853	VS2SC3198-Y-1	J	2SC3198 (Y)	AA
Q854	VS2SC3198-Y-1	J	2SC3198 (Y)	AA
Q855	VS2SC3198-Y-1	J	2SC3198 (Y)	AA
Q890	VS2SA1266-Y-1	J	2SA1266 (Y)	AA
Q891	VS2SC3198-Y-1	J	2SC3198 (Y)	AA
Q894	VS2SA1266-Y-1	J	2SA1266 (Y)	AA
Q1504	VS2SC3198-Y-1	J	2SC3198 (Y)	AA
Q1505	VS2SA1266-Y-1	J	2SA1266 (Y)	AA
Q1506	VS2SA1837//-1	J	2SA1837	AF
Q1507	VS2SC4793//-1	J	2SC4793	AF
DIODES				
D850	VHD1SS119//-1	J	Diode	AB
D851	VHD1SS119//-1	J	Diode	AB
D852	VHD1SS119//-1	J	Diode	AB
D890	VHD1SS119//-1	J	Diode	AB
D891	VHD1SS119//-1	J	Diode	AB
D892	VHD1SS119//-1	J	Diode	AB
D893	VHD1SS119//-1	J	Diode	AB
D894	VHD1SS119//-1	J	Diode	AB

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-B: DUNTK8669WEK8(32K-X2000, CK32S60)									
PWB-B: DUNTK8669WEK9(36K-X2000, CK36S60)									
CRT UNIT(Continued)									
D895	VHD1SS119//1	J	Diode	AB	R849	VRD-RA2BE471J	J 470	1/8W Carbon	AA
D896	VHD1SS119//1	J	Diode	AB	R850	VRD-RA2BE561J	J 560	1/8W Carbon	AA
D897	RH-EX0718GEZZ	J	Zener Diode, 2.4V	AB	R851	VRD-RA2BE561J	J 560	1/8W Carbon	AA
D1502	VHD1SS119//1	J	Diode	AB	R852	VRD-RA2BE561J	J 560	1/8W Carbon	AA
D1503	VHD1SS119//1	J	Diode	AB	R853	VRS-VV3DB183J	J 18k	2W M-Ox.	AA
D1506	RH-DX0086TAZZ	J	Diode	AC	R854	VRS-VV3DB183J	J 18k	2W M-Ox.	AA
D1507	RH-DX0086TAZZ	J	Diode	AC	R855	VRS-VV3DB183J	J 18k	2W M-Ox.	AA
COILS					R856	VRD-RA2BE820J	J 82	1/8W Carbon	AA
L852	VP-MK680K0000	J	Peaking 68μH	AB	R857	VRD-RA2BE820J	J 82	1/8W Carbon	AA
L853	VP-MK680K0000	J	Peaking 68μH	AB	R858	VRD-RA2BE820J	J 82	1/8W Carbon	AA
L854	VP-MK680K0000	J	Peaking 68μH	AB	R859	VRD-RA2BE680J	J 68	1/8W Carbon	AA
CAPACITORS					R865	VRS-VV3DB153J	J 15k	2W M-Ox.	AA
<i>[EL.... Electrolytic]</i>					R866	VRS-VV3DB153J	J 15k	2W M-Ox.	AA
C850	VCKYPA1HF103Z	J 0.01	50V Ceramic	AA	R867	VRS-VV3DB153J	J 15k	2W M-Ox.	AA
C851	VCEAOA1CW476M	J 47	16V EL	AB	R868	VRD-RM2HD224J	J 220k	1/2W Carbon	AA
C856	VCKYAT1HB471K	J 470p	50V Ceramic	AA	R873	VRD-RA2BE151J	J 150	1/8W Carbon	AA
C857	VCKYD41HB471K	J 470p	50V Ceramic	AA	R874	VRD-RA2BE151J	J 150	1/8W Carbon	AA
C858	VCKYAT1HB681K	J 680p	50V Ceramic	AA	R875	VRD-RA2BE151J	J 150	1/8W Carbon	AA
C876	VCKYPA1HB561K	J 560p	50V Ceramic	AA	R876	VRD-RA2BE560J	J 56	1/8W Carbon	AA
C877	VCKYPA1HB681K	J 680p	50V Ceramic	AA	R877	VRD-RA2BE560J	J 56	1/8W Carbon	AA
C878	VCKYPA1HB821K	J 820p	50V Ceramic	AA	R878	VRD-RA2BE470J	J 47	1/8W Carbon	AA
C880	RC-KZ0153CEZZ	J 0.001	3kV Ceramic	AB	R880	VRC-MA2HG332K	J 3.3k	1/2W Solid	AA
C890	VCEAOA1CW227M	J 220	16V EL	AC	R881	VRC-MA2HG332K	J 3.3k	1/2W Solid	AA
C892	VCEAOA1CW106M	J 10	16V EL	AB	R882	VRC-MA2HG332K	J 3.3k	1/2W Solid	AA
C893	VCEAOA1CW106M	J 10	16V EL	AB	R883	VRD-RA2BE221J	J 220	1/8W Carbon	AA
C894	VCKYPA1HF103Z	J 0.01	50V Ceramic	AA	R884	VRD-RA2BE221J	J 220	1/8W Carbon	AA
C1501	VCEAOA1EW476M	J 47	25V EL	AB	R885	VRD-RA2BE221J	J 220	1/8W Carbon	AA
C1506	VCKYPA1HF103Z	J 0.01	50V Ceramic	AA	R886	VRD-RA2BE471J	J 470	1/8W Carbon	AA
C1508	VCKYPA2HB472K	J 4700p	500V Ceramic	AB	R887	VRD-RA2BE471J	J 470	1/8W Carbon	AA
C1509	VCKYPA1HB472K	J 4700p	50V Ceramic	AA	R888	VRD-RA2BE471J	J 470	1/8W Carbon	AA
C1510	VCKYPA1HF103Z	J 0.01	50V Ceramic	AA	R890	VRD-RA2BE223J	J 22k	1/8W Carbon	AA
C1511	VCKYPA1HF103Z	J 0.01	50V Ceramic	AA	R891	VRD-RA2BE821G	J 820	1/8W Carbon	AQ
C1515	VCEAOA1CW107M	J 100	16V EL	AC	R892	VRD-RA2BE331G	J 330	1/8W Carbon	AA
C1516	VCEAOA1CW107M	J 100	16V EL	AC	R893	VRD-RA2BE223J	J 22k	1/8W Carbon	AA
C1517	VCEAGA2AW106M	J 10	100V EL	AC	R894	VRD-RA2BE102G	J 1.0k	1/8W Carbon	AB
			(32K-X2000,CK32S60)		R895	VRD-RA2EE561J	J 560	1/4W Carbon	AA
C1517	VCEAGA2CW106M	J 10	100V EL	AC	R896	VRD-RA2BE121J	J 120	1/8W Carbon	AA
			(36K-X2000,CK36S60)		R1511	VRD-RA2BE101J	J 100	1/8W Carbon	AB
C1518	VCCSPA2HL560K	J 56p	500V Ceramic	AA	R1513	VRS-RG3DB561J	M 560	2W M-Ox.	
C1519	VCEAGA2CW106M	J 10	160V EL	AC				(32K-X2000,CK32S60)	
RESISTORS					R1513	VRS-RG3DB821J	M 820	2W M-Ox.	
<i>[M-Ox.... Metal Oxide]</i>								(36K-X2000,CK36S60)	
R840	RR-HZ0048CEZZ	M 3.9M	1/2W		R1514	VRD-RA2BE100J	J 10	1/8W Carbon	AA
			(36K-X2000,CK36S60)		R1515	VRD-RA2BE820J	J 82	1/8W Carbon	AA
R841	RR-HZ0048CEZZ	M 3.9M	1/2W		R1516	VRD-RA2BE820J	J 82	1/8W Carbon	AA
			(36K-X2000,CK36S60)		R1517	VRD-RA2BE561J	J 560	1/8W Carbon	AA
R845	VRD-RA2BE680J	J 68	1/8W Carbon	AA	R1518	VRD-RA2BE683J	J 68k	1/8W Carbon	AA
R846	VRD-RA2BE680J	J 68	1/8W Carbon	AA	R1519	VRD-RA2BE123J	J 12k	1/8W Carbon	AA
R847	VRD-RA2BE471J	J 470	1/8W Carbon	AA	R1520	VRD-RA2BE683J	J 68k	1/8W Carbon	AA
R848	VRD-RA2BE471J	J 470	1/8W Carbon	AA	R1521	VRD-RA2BE561J	J 560	1/8W Carbon	AA
					R1522	VRD-RA2EE331J	J 330	1/4W Carbon	AA
								(32K-X2000,CK32S60)	
					R1522	VRD-RA2EE471J	J 470	1/4W Carbon	AA
								(36K-X2000,CK36S60)	
					R1525	VRD-RA2EE560J	J 56	1/4W Carbon	AA
					R1526	VRD-RA2EE560J	J 56	1/4W Carbon	AA

Ref. No.	Part No.	★	Description	Code
PWB-B: DUNTK8669WEK8(32K-X2000, CK32S60)				
PWB-B: DUNTK8669WEK9(36K-X2000, CK36S60)				
CRT UNIT(Continued)				

R1527	VRD-RA2EE2R7J	J	2.7 1/4W Carbon	AA
R1528	VRD-RA2EE2R7J	J	2.7 1/4W Carbon	AA
R1529	VRS-RG3DB221J	J	220 2W M-Ox.	AA
R1530	VRS-RG3DB183J	M	18k 2W M-Ox.	
			(36K-X2000,CK36S60)	

MISCELLANEOUS PARTS

FB1501	RBLN-0020CEZZ	J	Ferrite Bead	AB
P850	QPLGN0561CEZZ	J	Plug, 5-Pin(CJ)	AB
P851	QPLGN0461CEZZ	J	Plug, 4-Pin(PA)	AB
P852	QPLGN0361CEZZ	J	Plug, 3-Pin(PU)	AB
P854	QPLGN0561CEZZ	J	Plug, 5-Pin(N)	AB
SC851	QSOCV0916CEZZ	J	CRT Socket	AH
			(32K-X2000,CK32S60)	
SC851	QSOCV1005CEZZ	J	CRT Socket	AK
			(36K-X2000,CK36S60)	
RDA850	PRDAR5072CEFW	J	Heat Sink, for Q850	AC
RDA851	PRDAR5072CEFW	J	Heat Sink, for Q851	AC
RDA852	PRDAR5072CEFW	J	Heat Sink, for Q852	AC
RDA1506	PRDAR5072CEFW	J	Heat Sink, for Q1506	AC
RDA1507	PRDAR5072CEFW	J	Heat Sink, for Q1507	AC
	QCNW-0186MEZZ	M	Connecting Cord	AC
	QCNW-0188MEZZ	M	Connecting Cord	AD
	QCNW-0189MEZZ	M	Connecting Cord	AC
	LX-BZ3100CEFD	J	Screw	AA

— End of CRT UNIT —

Ref. No.	Part No.	★	Description	Code
PWB-C: DUNTK9580WEK1(32K-X2000, CK32S60)				
PWB-C: DUNTK9580WEK2(36K-X2000, CK36S60)				
POWER UNIT				

INTEGRATED CIRCUITS

△IC501	VHiTA8427K/-1	J	TA8427K	AL
IC502	VHiTA1241AN-1	J	TA1241AN	AM
IC504	VHiUPC358C/-1	J	UPC358C	AD
▲△IC701	VHiSTRF65161E	M	STR-F6516	
△IC702	RH-FX0034CEZZ	J	PC817	AE
	or RH-FX0029CEZZ			
△IC703	VHiSE125N/-1	M	SE125N	
			(32K-X2000, CK32S60)	
△IC703	VHiSE135N/-1	J	SE135N	AG
			(36K-X2000, CK36S60)	
△IC750	VHiKA7812Pi-1	R	KiA7812Pi	AE

TRANSISTORS

Q501	VS2SC3198-Y-1	J	2SC3198 (Y)	AA
Q601	VS2SC2482/-1	J	2SC2482	AD
△Q602	VS2SD2500//2E	J	2SD2500	AT
			(32K-X2000, CK32S60)	
△Q602	VS2SC5150//2E	M	2SC5150	
			(36K-X2000, CK36S60)	
Q672	VS2SA1266-Y-1	J	2SA1266 (Y)	AA
Q673	VS2SD2045/-1	J	2SD2045	AL
Q751	VS2SC3198-Y-1	J	2SC3198 (Y)	AA

DIODES

△D501	RH-DX0302CEZZ	J	Diode	AC
D502	RH-EX0604GEZZ	J	Zener Diode, 3V	AB
D504	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA
D507	RH-DX0441CEZZ	J	Diode	AC
D508	RH-EX0616GEZZ	J	Zener Diode, 5.6V	AA
D509	RH-EX0616GEZZ	J	Zener Diode, 5.6V	AA
D511	RH-EX0654CEZZ	J	Zener Diode, 75V	AD
D602	VHD1SS119/-1	J	Diode	AB
△D605	RH-DX0255CEZZ	J	Diode	AC
D621	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA
D622	RH-DX0131CEZZ	J	Diode	AC
▲△D651	RH-DX0130CEZZ	J	Diode	AE
▲△D652	RH-EX0641GEZZ	J	Zener Diode, 12V	AA
▲△D653	VHD1SS119/-1	J	Diode	AB
▲△D654	VHD1SS119/-1	J	Diode	AB
△D673	RH-DX0229CEZZ	J	Diode	AF
	or RH-DX0449CEZZ			
D705	VHD1SS82///1A	J	Diode	AC
D706	RH-DX0130CEZZ	J	Diode	AE
D707	VHD1SS82///1A	J	Diode	AC
D708	RH-DX0130CEZZ	J	Diode	AE
△D709	RH-DX0229CEZZ	J	Diode	AF
	or RH-DX0418CEZZ			
△D712	RH-DX0407CEZZ	J	Diode	AD
△D713	RH-DX0259CEZZ	J	Diode	AH
	or RH-DX0336CEZZ		(32K-X2000, CK32S60)	
△D713	RH-DX0336CEZZ	J	Diode	AH
			(36K-X2000, CK36S60)	

Ref. No.	Part No.	★	Description	Code
PWB-C: DUNTK9580WEK1(32K-X2000, CK32S60)				
PWB-C: DUNTK9580WEK2(36K-X2000, CK36S60)				
POWER UNIT(Continued)				
D715	RH-EX0354GEZZ	J	Zener Diode, 3.6V	AA
D716	VHD1SS119//1	J	Diode	AB
D719	VHD1SS119//1	J	Diode	AB
D720	VHD1SS119//1	J	Diode	AB
D723	RH-EX0650GEZZ	J	Zener Diode, 16V	AB
D725	RH-DX0469CEZZ	J	Diode	AF
or	RH-DX0473CEZZ			
△D751	RH-DX0441CEZZ	J	Diode	AC
△D752	RH-DX0441CEZZ	J	Diode	AC
△D753	RH-DX0441CEZZ	J	Diode	AC
△D754	RH-DX0441CEZZ	J	Diode	AC
D755	VHD1SS119//1	J	Diode	AB
△VA701	RH-VX0035CEZZ	J	Varistor	AF

COILS AND PACKAGED CIRCUIT

△PR701	RMPTP0059CEZZ	J	Packaged Circuit	AH
or	RMPTP0056CEZZ			
L501	VP-XF8R2K0000	J	Peaking 8.2μH	AB
L671	RCiLZ0720CEZZ	J	Coil,(32K-X2000, CK32S60)	AL
L671	RCiLZ0868CEZZ	J	Coil,(36K-X2000, CK36S60)	AM
L672	RCiLZ0789CEZZ	J	Coil	AK
△L701	RCiLF0273CEZZ	J	Coil	AM
△L702	RCiLF0273CEZZ	J	Coil	AM
L705	RCiLP0179CEZZ	J	Coil	AD
or	RCiLP0226CEZZ			
L729	RCiLP0179CEZZ	J	Coil	AD
or	RCiLP0226CEZZ			
L740	VP-XF101K0000	J	Peaking 100μH	AB

TRANSFORMERS

△T601	RTRNZ0057PEZZ	R	Transformer	AK
▲△T602	RTRNF0021MEZZ	M	H-Out (32K-X2000, CK32S60)	
▲△T602	RTRNF0022MEZZ	M	H-Out (36K-X2000, CK36S60)	
△T701	RTRNP0516CEZZ	J	Power	AQ
△T702	RTRNZ0006MEZZ	M	Transformer	

CAPACITORS

[EL... Electrolytic, M-Poly... Metalized Polypro Film]				
C451	VCQYTA2AA104K	J	0.1 100V Mylar	AB
C501	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
C502	VCEA0A1VW108M	J	1000 35V EL	AD
C503	VCEA0A1CW477M	J	470 16V EL	AC
C505	VCIFYSA1HB223J	J	0.022 50V Mylar	AA
C506	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C507	VCEAGA1HW334T	J	0.33 50V EL	AC
C508	VCIFYHA1HA104J	J	0.1 50V Mylar	AB
C509	VCEACA1HC225J	J	2.2 50V EL	AC
C511	RC-QZA103TAYK	J	0.01 50V Mylar	AA
C512	VCEA0A1VW107M	J	100 35V EL	AC
C514	RC-QZA683TAYJ	J	0.068 50V Mylar	AB
C516	VCIFYAA2AA564J	J	0.56 100V Mylar	AD

Ref. No.	Part No.	★	Description	Code
C517	VCIFYHA1HA473J	J	0.047 50V Mylar	AB
C518	VCIFYHA1HA473J	J	0.047 50V Mylar	AB
C519	VCEA0A1VW108M	J	1000 35V EL (32K-X2000, CK32S60)	AD
C519	VCEA0H1VW228M	J	2200 35V EL (36K-X2000, CK36S60)	AH
C520	VCEACA1HC105J	J	1.0 50V EL	AB
C521	VCEACA1HC105J	J	1.0 50V EL	AB
C530	VCEA0A1VW476M	J	47 35V EL	AB
C533	VCIFYSA1JA473J	J	0.047 63V Mylar (32K-X2000, CK32S60)	AC
C533	VCIFYAA2AA104K	J	0.1 100V Mylar (36K-X2000, CK36S60)	AC
C538	VCCSPA1HL101J	J	100p 50V Ceramic	AA
C539	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
C605	VCKYPA1HB102K	J	1000p 50V Ceramic	AA
C606	VCKYPA2HB561K	J	560p 500V Ceramic	AA
C607	VCKYPA1HB472K	J	4700p 50V Ceramic	AA
C608	RC-KZ0033CEZZ	J	150p 2kV Ceramic (32K-X2000, CK32S60)	AB
C608	VCKYPH3DB271K	J	270P 2kV Ceramic (36K-X2000, CK36S60)	AC
▲△C609	VCFFPD3CA912H	J	9100p 1600VM-Poly. (32K-X2000, CK32S60)	AE
▲△C609	VCFFPD3CA822H	J	8200p 1600VM-Poly. (36K-X2000, CK36S60)	
▲△C610	VCFFPD3CA912H	J	9100p 1600VM-Poly.	AE
C612	VCFFPJ2EB684J	J	0.68 250V M-Poly.	AH
C615	VCKYPA2HB272K	J	2700p 500V Ceramic	AA
C622	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
C623	VCEA0A2EW336M	J	33 250V EL	AF
C626	VCQPPB2DB153J	J	0.015 200V M-Poly.	AB
C652	VCEA0A1VW476M	J	47 35V EL	AB
C677	RC-FZ0184CEZZ	J	4.7 100V Mylar	AG
△C678	VCQPPC2GB473J	J	0.047 400V M-Poly. (32K-X2000, CK32S60)	AB
△C678	VCQPPC2JB473J	J	0.047 630V M-Poly. (36K-X2000, CK36S60)	
C680	VCFFPD2DB684J	J	0.68 200V M-Poly.	AE
C681	VCIFYHA1HA104J	J	0.1 50V Mylar	AB
C682	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
C683	VCCSPA2HL560K	J	56p 500V Ceramic	AA
△C701	RC-FZ016SGEZZ	J	0.47 AC125V Plastic	AK
C702	RC-KZ0029CEZZ	J	0.01 500V Ceramic	AC
C703	RC-KZ0029CEZZ	J	0.01 500V Ceramic	AC
△C705	RC-EZ0720CEZZ	M	680 200V EL (32K-X2000, CK32S60)	
or	RC-EZ0684CEZZ			
or	RC-EZ0394CEZZ			
△C705	RC-EZ0395CEZZ	J	820 200V EL (36K-X2000, CK36S60)	AT
or	RC-EZ0722CEZZ			
or	RC-EZ0685CEZZ			
△C706	RC-KZ0092GEZZ	J	0.0033 AC250V Ceramic	AC
or	RC-KZ0311CEZZ			
C707	VCFFPC3CA222H	J	2200p 1600V M-Poly.	AD
C708	VCCSPA1HL471J	J	470p 50V Ceramic	AA
C709	VCEA0A1VW107M	J	100 35V EL	AC

Ref. No.	Part No.	★	Description	Code
PWB-C: DUNTK9580WEK1(32K-X2000, CK32S60)				
PWB-C: DUNTK9580WEK2(36K-X2000, CK36S60)				
POWER UNIT(Continued)				
C710	RC-QZA222TAYJ	J	0.022 50V Mylar	AB
C717	VCKYPA2HB472K	J	4700p 500V Ceramic	AB
C722	RC-QZA104TAYK	J	0.1 50V Mylar	AB
△C723	RC-EZ0696CEZZ	M	220 160V EL	
or	RC-EZ0492CEZZ		(32K-X2000, CK32S60)	
or	RC-EZ0660CEZZ			
△C723	RC-EZ0501CEZZ	M	220 180V EL	
			(36K-X2000, CK36S60)	
△C725	RC-EZ0697CEZZ	M	330 160V EL	
or	EC-EZ0493CEZZ		(32K-X2000, CK32S60)	
or	RC-EZ0661CEZZ			
△C725	RC-EZ0503CEZZ	J	330 180V EL	AQ
			(36K-X2000, CK36S60)	
C726	RC-KZ0338CEZZ	J	560p 2kV Ceramic	AD
C727	RC-KZ0338CEZZ	J	560p 2kV Ceramic	AD
C730	VCEA0A1EW108M	J	1000 25V EL	AD
C731	VCEA0A1EW108M	J	1000 25V EL	AD
C732	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
C741	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
C742	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
C751	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C753	VCEA0A1CW107M	J	100 16V EL	AC
C760	RC-QZA393TAYK	J	0.039 50V Mylar	AB
C772	VCEA0A1VW477M	J	470 35V EL	AB
C773	VCCSPA1HL101J	J	100p 50V Ceramic	AA

RESISTORS

[M-Ox... Metal Oxide, M-Film... Metal Film]

△R451	VRS-RG3AB103J	J	10k 1W	M-Ox.	AB
R452	VRD-RM2HD823J	J	82k 1/2W	Carbon	AA
R453	VRD-RA2EE274J	J	270k 1/4W	Carbon	AA
△R501	VRN-RL3LB2R2J	M	2.2 3.0W	M-Film	
R502	VRD-RA2BE184J	J	180k 1/8W	Carbon	AA
R503	VRD-RA2BE124J	J	120k 1/8W	Carbon	AA
R504	VRD-RA2BE393J	J	39k 1/8W	Carbon	AA
R505	VRD-RA2BE153J	J	15k 1/8W	Carbon	AA
R506	VRD-RA2BE223J	J	22k 1/8W	Carbon	AA
R507	VRD-RA2BE101J	J	100 1/8W	Carbon	AB
R508	VRD-RA2BE101J	J	100 1/8W	Carbon	AB
R509	VRD-RA2BE181J	J	180 1/8W	Carbon	AA
R510	VRD-RA2BE332J	J	3.3k 1/8W	Carbon	AA
R511	VRD-RA2BE101J	J	100 1/8W	Carbon	AB
R512	VRD-RA2EE102J	J	1.0k 1/4W	Carbon	AA
R514	VRD-RA2BE103J	J	10k 1/8W	Carbon	AA
R515	VRD-RA2BE102J	J	1.0k 1/8W	Carbon	AA
R516	VRD-RA2BE274J	J	270k 1/8W	Carbon	AA
R517	VRD-RA2BE823J	J	82k 1/8W	Carbon	AA
R520	VRD-RA2BE181J	J	180 1/8W	Carbon	AA
R521	VRD-RA2BE562J	J	5.6k 1/8W	Carbon	AA
R522	VRS-RG3AB102J	M	1.0k 1W	M-Ox.	
R523	VRD-RA2BE183J	J	18k 1/8W	Carbon	AA
R524	VRD-RM2HD152J	J	1.5k 1/2W	Carbon	AA
R525	VRD-RA2BE473J	J	47k 1/8W	Carbon	AA

Ref. No.	Part No.	★	Description	Code
R527	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R529	VRD-RA2BE273G	J	27k 1/8W Carbon	AA
			(32K-X2000,CK32S60)	
R529	VRD-RA2BE333G	J	33k 1/8W Carbon	AA
			(36K-X2000,CK36S60)	
R530	VRD-RA2BE683G	J	68k 1/8W Carbon	AA
R531	VRD-RA2BE563J	J	56k 1/8W Carbon	AA
			(32K-X2000,CK32S60)	
R531	VRD-RA2BE104J	J	100k 1/8W Carbon	AA
			(36K-X2000,CK36S60)	
R532	VRD-RA2BE824J	J	820k 1/8W Carbon	AA
R533	VRD-RA2BE151J	J	150 1/8W Carbon	AA
R534	VRD-RA2BE181J	J	180 1/8W Carbon	AA
			(32K-X2000,CK32S60)	
R534	VRD-RA2BE331J	J	330 1/8W Carbon	AA
			(36K-X2000,CK36S60)	
R535	VRN-RL3DB1R5J	M	1.5 2W M-Film	
			(32K-X2000,CK32S60)	
R535	VRN-RL3DB1R0J	M	1.0 2W M-Film	
			(36K-X2000,CK36S60)	
R549	VRS-RG3DB391J	M	390 2W M-Ox.	
			(32K-X2000,CK32S60)	
R549	VRS-RG3DB331J	M	330 2W M-Ox.	
			(36K-X2000,CK36S60)	
R558	VRD-RA2BE104J	J	100k 1/8W Carbon	AA
R605	VRD-RM2HD470J	J	47 1/2W Carbon	AA
R606	VRD-RM2HD271J	J	270 1/2W Carbon	AA
R607	VRS-KA3HG122J	J	1.2k 5W M-Ox.	AD
			(32K-X2000,CK32S60)	
△R607	VRS-KA3HG152J	M	1.5k 5W M-Ox.	
			(36K-X2000,CK36S60)	
R608	VRS-RG3LB391J	M	390 3.0W M-Ox.	
△R609	VRS-RG3AB562J	M	5.6k 1W M-Ox.	
R610	VRD-RM2HD220J	J	22 1/2W Carbon	AA
△R611	VRW-KQ41C3R3K	J	3.3 15W Cement	AG
△R621	VRN-RL3LB1R2J	M	1.2 3.0W M-Film	
			(32K-X2000,CK32S60)	
△R621	VRN-RL3LB2R7J	M	2.7 3.0W M-Film	
			(36K-X2000,CK36S60)	
△R622	VRN-RL2HCR68J	M	0.68 1/2W M-Film	
			(32K-X2000,CK32S60)	
△R622	VRN-RL2HCR56J	M	0.56 1/2W M-Film	
			(36K-X2000,CK36S60)	
△R623	VRN-RL3AB1R0J	M	1.0 1W M-Film	
△R624	VRS-RG3DB332J	M	3.3k 2W M-Ox.	
R625	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R626	VRD-RM2HD563J	J	56k 1/2W Carbon	AA
▲△R651	VRN-RL2HC1R0J	M	1.0 1/2W M-Film	
▲△R652	VRD-RA2EE333J	J	33k 1/4W Carbon	AA
			(32K-X2000,CK32S60)	
▲△R652	VRD-RA2EE274J	J	270k 1/4W Carbon	AA
			(36K-X2000,CK36S60)	
▲△R653	VRD-RA2EE562J	J	5.6k 1/4W Carbon	AA
▲△R654	VRD-RA2EE682J	J	6.8k 1/4W Carbon	AA
			(32K-X2000,CK32S60)	
▲△R654	VRD-RA2EE472J	J	4.7k 1/4W Carbon	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-C: DUNTK9580WEK1(32K-X2000, CK32S60)					FB702	RBLN-0036CEZZ	J	Ferrite Bead	AB
PWB-C: DUNTK9580WEK2(36K-X2000, CK36S60)					FB704	RBLN-0037CEZZ	J	Ferrite Bead	AB
POWER UNIT(Continued)					FB706	RBLN-0037CEZZ	J	Ferrite Bead	AB
			(36K-X2000,CK36S60)		FH701	QFSDH1013CEZZ	J	Fuse Holder	AC
R682	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA	FH702	QFSDH1014CEZZ	J	Fuse Holder	AC
R684	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA	P501	QPLGN0961CEZZ	J	Plug, 9-Pin (C)	AD
R685	VRD-RA2EE562J	J	5.6k 1/4W Carbon	AA	P601	QPLGN0161FJZZ	J	Plug, 6-Pin (K)	AC
R686	VRD-RA2EE222J	J	2.2k 1/4W Carbon	AA	P602	QPLGN0861CEZZ	J	Plug, 8-Pin (D)	AC
R687	VRD-RA2BE103J	J	10k 1/8W Carbon	AA	P621	QPLGN0561CEZZ	J	Plug, 5-Pin (N)	AB
△R688	VRN-RL3DB3R3J	M	3.3 2W M-Film		P651	QPLGN0361CEZZ	J	Plug, 3-Pin (TP651-3)	AB
R689	VRD-RA2EE104J	J	100k 1/4W Carbon	AA	P701	QPLGN0404CEZZ	J	Plug, 4-Pin (M)	AB
△R690	VRS-RG3LB561J	M	560 3.0W M-Ox.		P703	QPLGN0269GEZZ	J	Plug, 2-Pin (P)	AB
△R701	RR-HZ0048CEZZ	M	3.9M 1/2W		P704	QPLGN0160CEZZ	J	Plug, 1-Pin (SG)	AB
△R702	VRW-KQ4AC1R2K	M	1.2 10W Cement		P705	QPLGN1061CEZZ	J	Plug, 10-Pin (H)	AC
△R703	VRS-RG3LB101J	J	100 3.0W M-Ox.	AC	RDA501	PRDAR0234PEFW	R	Heat Sink, for IC501	AH
R704	VRD-RM2HD154J	J	150k 1/2W Carbon	AA	RDA601	PRDAR0150PEFW	R	Heat Sink, for Q602	AL
R705	VRN-RL3DBR22J	J	0.22 2W M-Film	AA	RDA671	PRDAR1007MEFW	M	Heat Sink, for Q673	AF
△R706	VRN-RL3DBR27J	M	0.27 2W M-Film		RDA701	PRDAR1006MEFW	M	Heat Sink, for IC701	AF
			(32K-X2000,CK32S60)		RDA702	PRDAR0139PEFW	R	Heat Sink, for D713	AC
△R706	VRN-RL3DBR22J	J	0.22 2W M-Film	AA				(36K-X2000, CK36S60)	
			(36K-X2000,CK36S60)		RDA703	PRDAR0026PEFW	R	Heat Sink, for IC750	AD
△R707	VRS-RG2HC681J	J	680 1/2W M-Ox.	AA	LX-BZ3049GEFD	J	Screw	AA	
△R708	VRS-RG3DB123J	J	12k 2W M-Ox.	AA	LX-BZ3100CEFD	J	Screw	AA	
			(32K-X2000,CK32S60)						
△R708	VRS-RG3DB153J	J	15k 2W M-Ox.	AA					
			(36K-X2000,CK36S60)						
R709	VRN-GA2EB1R0J	J	1.0 1/4W M-Film	AA					
R710	VRD-RM2HD330J	J	33 1/2W Carbon	AA					
R711	VRD-RA2BE152J	J	1.5k 1/8W Carbon	AA					
R712	VRD-RA2EE562J	J	5.6k 1/4W Carbon	AA					
R713	VRD-RA2EE152J	J	1.5k 1/4W Carbon	AA					
△R715	VRS-RG3DB153J	J	15k 2W M-Ox.	AA					
△R723	VRN-RL3LBR56J	M	0.56 3.0W M-Film						
R724	VRS-RG2HC332J	J	3.3k 1/2W M-Ox.	AA					
△R725	VRS-RG3AB182J	J	1.8k 1W M-Ox.	AA					
R726	VRS-RG2HC102J	J	1.0k 1/2W M-Ox.	AA					
			(36K-X2000,CK36S60)						
R734	VRS-RG3LB223J	M	22k 3.0W M-Ox.						
R737	VRN-RL3DBR56J	M	0.56 2W M-Film						
R751	VRD-RA2BE473J	J	47k 1/8W Carbon	AA					
R753	VRS-RG3AB391J	M	390 1W M-Ox.						
R760	VRD-RA2EE822J	J	8.2k 1/4W Carbon	AA					
SWITCH									
S502	QSW-B0015CEZZ	J	V-Center	AC					
MISCELLANEOUS PARTS									
△RY701	RRLYU0036CEZZ	J	Relay	AM					
or	RRLYU0038CEZZ								
△RY702	RRLYU0038CEZZ	J	Relay	AM					
or	RRLYU0071CEZZ								
△F701	QFS-B5023CEZZ	J	Fuse , 5A(AC125V)	AC					
FB501	RBLN-0037CEZZ	J	Ferrite Bead	AB					
FB601	RBLN-0047CEZZ	J	Ferrite Bead	AB					
FB671	RBLN-0047CEZZ	J	Ferrite Bead	AB					
FB701	RBLN-0037CEZZ	J	Ferrite Bead	AB					

— End of POWER UNIT —

Ref. No.	Part No.	★	Description	Code
PWB-D: DUNTK9581WEK0				
TV GUIDE UNIT				
INTEGRATED CIRCUITS				
IC2101	RH-iX3077CEZZ	M	LC27016B-MF2	AZ
IC2102	RH-iX3101CEZZ	M	MSM514260CSL	AV
IC2103	RH-iX3076CEZZ	M	I.C.	AR
TRANSISTORS				
Q2101	VS2SB709AR/-1	J	2SB709	AC
Q2102	VS2SD601AR/-1	J	2SD601	AC
Q2103	VS2SB709AR/-1	J	2SB709	AC
Q2104	VS2SB709AR/-1	J	2SB709	AC
Q2105	VS2SB709AR/-1	J	2SB709	AC
Q2106	VS2SD601AR/-1	J	2SD601	AC
DIODES AND CRYSTAL				
D2101	RH-EX0614GEZZ	J	Zener Diode, 5.6V	AA
D2102	VHD1SS119//-1	J	Diode	AB
X2101	RCRSB0252CEZZ	M	Crystal	AE
CAPACITORS				
C2101	VCEA0A1AW107M	J	100 10V EL.	AB
C2102	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C2103	VCEA0A1AW107M	J	100 10V EL.	AB
C2104	VCEA0A1HW225M	J	2.2 50V EL.	AB
C2105	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C2106	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C2107	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C2108	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C2109	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C2110	VCKYCY1EB103K	J	0.01 25V Ceramic	AA
C2111	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C2112	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C2113	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C2114	VCEA0A1HW105M	J	1.0 50V EL.	AB
C2115	VCE9GA1CW106M	J	10 16V EL_(N.P)	AB
C2116	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C2117	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C2118	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C2119	VCEA0A1AW476M	J	47 10V EL.	AB
C2120	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C2121	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C2122	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C2123	VCEA0A1AW107M	J	100 10V EL.	AB
C2124	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C2125	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C2126	VCCCCY1HH221J	J	220p 50V Ceramic	AA
C2128	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C2129	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C2130	VCSATA1CE106K	J	10 16V Tantalum_(N.P)AD	AD
C2131	VCEA0A1AW476M	J	47 10V EL.	AB
C2132	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C2133	VCEA0A1HW105M	J	1.0 50V EL.	AB
C2134	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C2135	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA

Ref. No.	Part No.	★	Description	Code
RESISTORS				
RJ1	VRS-CY1JF000J	J	00 1/16W M-Ox.	AA
RJ2	VRS-CY1JF000J	J	00 1/16W M-Ox.	AA
R2101	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
R2102	VRS-CY1JF561J	J	560 1/16W M-Ox.	AA
R2103	VRS-CY1JF680J	J	68 1/16W M-Ox.	AA
R2104	VRS-CY1JF271J	J	270 1/16W M-Ox.	AA
R2105	VRS-CY1JF1R0J	J	1.0 1/16W M-Ox.	AA
R2106	VRS-CY1JF105J	J	1.0M 1/16W M-Ox.	AA
R2107	VRS-CY1JF152J	J	1.5k 1/16W M-Ox.	AA
R2108	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA
R2109	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA
R2110	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R2111	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R2112	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R2113	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R2114	VRS-CY1JF123J	J	12k 1/16W M-Ox.	AA
R2115	VRS-CY1JF3R3J	J	3.3 1/16W M-Ox.	AA
R2116	VRS-CY1JF273J	J	27k 1/16W M-Ox.	AA
R2117	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R2118	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R2119	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R2120	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R2121	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R2122	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R2123	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R2124	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R2125	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R2126	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA
R2127	VRS-CY1JF561J	J	560 1/16W M-Ox.	AA
R2128	VRS-CY1JF560J	J	56 1/16W M-Ox.	AA
R2129	VRS-CY1JF000J	J	00 1/16W M-Ox.	AA
R2130	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R2131	VRS-CY1JF821J	J	820 1/16W M-Ox.	AA
R2133	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA
R2134	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R2135	VRS-CY1JF224J	J	220k 1/16W M-Ox.	AA
R2136	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA
R2137	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R2138	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA
R2139	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R2140	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R2141	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA
R2142	VRS-CY1JF331J	J	330 1/16W M-Ox.	AA
R2143	VRS-CY1JF000J	J	00 1/16W M-Ox.	AA
R2145	VRS-CY1JF183J	J	18k 1/16W M-Ox.	AA
R2146	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R2149	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R2150	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA
R2301	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
R2302	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
R2303	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
R2304	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
R2305	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
R2306	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA

Ref. No.	Part No.	★	Description	Code
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PWB-D: DUNTK9581WEK0

TV GUIDE UNIT(Continued)

R2307	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R2308	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R2309	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R2310	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R2311	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R2312	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R2313	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R2314	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R2320	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R2321	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R2322	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R2323	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R2324	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R2325	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R2326	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R2327	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R2328	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R2329	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R2330	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R2331	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R2332	VRS-CY1JF000J	J	00 1/16W	M-Ox.	AA
R2335	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA

MISCELLANEOUS PARTS

FB2101	RBLN-0037CEZZ	J	Ferrite Bead		AB
FB2102	RBLN-0037CEZZ	J	Ferrite Bead		AB
FB2103	RBLN-0037CEZZ	J	Ferrite Bead		AB
FB2104	RBLN-0037CEZZ	J	Ferrite Bead		AB
P2106	QPLGN0785CEZZ	J	Plug		AC
P2107	QPLGN1085CEZZ	J	Plug		AC
P2108	QPLGN0685CEZZ	J	Plug		AA
SLD2102	PSLDM0015MEFW	M	Shield		AA

Ref. No.	Part No.	★	Description	Code
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PWB-F: DUNTK9514WEK1

CONTROL UNIT

DIODES

D4002	RH-PX0383CEZZ	J	LED, Power		AC
D4003	RH-PX0383CEZZ	J	LED, V-LIM		AC

CAPACITOR

C4001	VCEA0A1HW475M	J	4.7 50V	EL	AB
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RESISTORS

R4001	VRD-RA2BE103J	J	10k 1/8W	Carbon	AA
R4003	VRD-RA2BE273J	J	27k 1/8W	Carbon	AA
R4004	VRD-RA2BE563J	J	56k 1/8W	Carbon	AA
R4005	VRD-RA2EE331J	J	330 1/4W	Carbon	AA
R4006	VRD-RA2BE563J	J	56k 1/8W	Carbon	AA
R4007	VRD-RA2BE123J	J	12k 1/8W	Carbon	AA
R4008	VRD-RA2EE750J	J	75 1/4W	Carbon	AA
R4009	VRD-RA2BE153J	J	15k 1/8W	Carbon	AA
R4010	VRD-RA2BE272J	J	2.7k 1/8W	Carbon	AA

SWITCHES

S4001	QSW-K0079GEZZ	J	Power		AB
S4002	QSW-K0079GEZZ	J	CH-up		AB
S4003	QSW-K0079GEZZ	J	CH-down		AB
S4004	QSW-K0079GEZZ	J	VOL-up		AB
S4005	QSW-K0079GEZZ	J	VOL-down		AB

MISCELLANEOUS PARTS

J4001	QJAKE0179CEZZ	J	Jack, Audio-In(L)		AB
J4002	QJAKE0180CEZZ	J	Jack, Audio-In(R)		AB
J4003	QJAKE0181CEZZ	J	Jack, Video-In		AC
P4001	QPLGN0461CEZZ	J	Plug, 4-Pin(YR)		AB
P4002	QPLGN0561CEZZ	J	Plug, 5-Pin(KA)		AB
P4003	QPLGN0661CEZZ	J	Plug, 6-Pin(EJ)		AD
RMC4001	RRMCU0230CEZZ	J	R/C Receiver		AF
or	RRMCU0231CEZZ				
	QCNW-0182MEZZ	M	Connecting Cord		AF
	QCNW-0183MEZZ	M	Connecting Cord		AC
	QCNW-0184MEZZ	M	Connecting Cord		AR

— End of TV GUIDEUNIT —

— End of CONTROL UNIT —

Ref. No.	Part No.	★	Description	Code
MISCELLANEOUS PARTS				
ACC701	QACCD3065CESA	M	AC Cord	AG
or	QACCD3037CESA			
	QCNW-0089MEZZ	M	Connecting Cord	AH
	QCNW-0105MEZZ	M	Connecting Cord	AD
	QCNW-0187MEZZ	M	Connecting Cord	AD
	QCNW-0190MEZZ	M	Connecting Cord	AE
	QCNW-0191MEZZ	M	Connecting Cord	AD
	QCNW-0192MEZZ	M	Connecting Cord	AD
	QCNW-0193MEZZ	M	Connecting Cord	AE
	QCNW-0194MEZZ	M	Connecting Cord	AC
	QCNW-0195MEZZ	M	Connecting Cord	AG
SP1	VSP1206PB396E	M	Speaker(L)	AH
SP2	VSP1206PB396E	M	Speaker(R)	AH
	UBUP-0012CEZZ	M	Unit	AP
	RRMCK0019CEZZ	M	Remote Control_Mause	AN

— End of MISCELLANEOUS PARTS —

PACKING PARTS (NOT REPLACEMENT ITEM)				
SPAKC0606MEZZ	-	Packing Case		—
		(32K-X2000,CK32S60)		
SPAKC0604MEZZ	-	Packing Case		—
		(36K-X2000,CK36S60)		
SPAKX0171MEZZ	-	Buffer Material		—
		(32K-X2000,CK32S60)		
SPAKX0172MEZZ	-	Buffer Material		—
		(36K-X2000,CK36S60)		
SSAKA0004MEZZ	-	Polyethylene Sack		—

— End of PACKING PARTS —

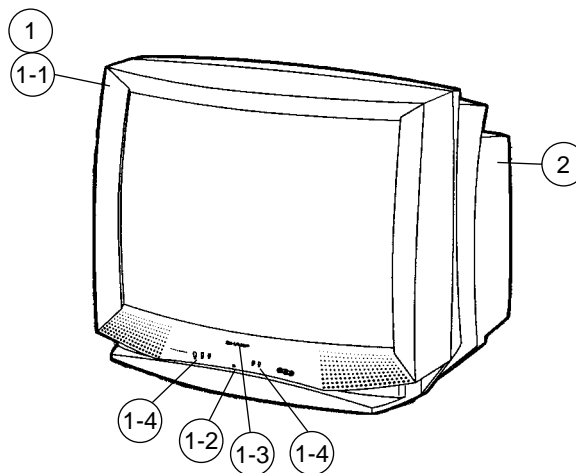
SUPPLIED ACCESSORIES				
TGAN-1006MEZZ	M	Guarantee Card		AA
TINS-6412MEZZ	M	Operation Manual		
RRMCG1418CESA	M	Infrared R/C Unit		AN

— End of SUPPLIED ACCESSORIES —

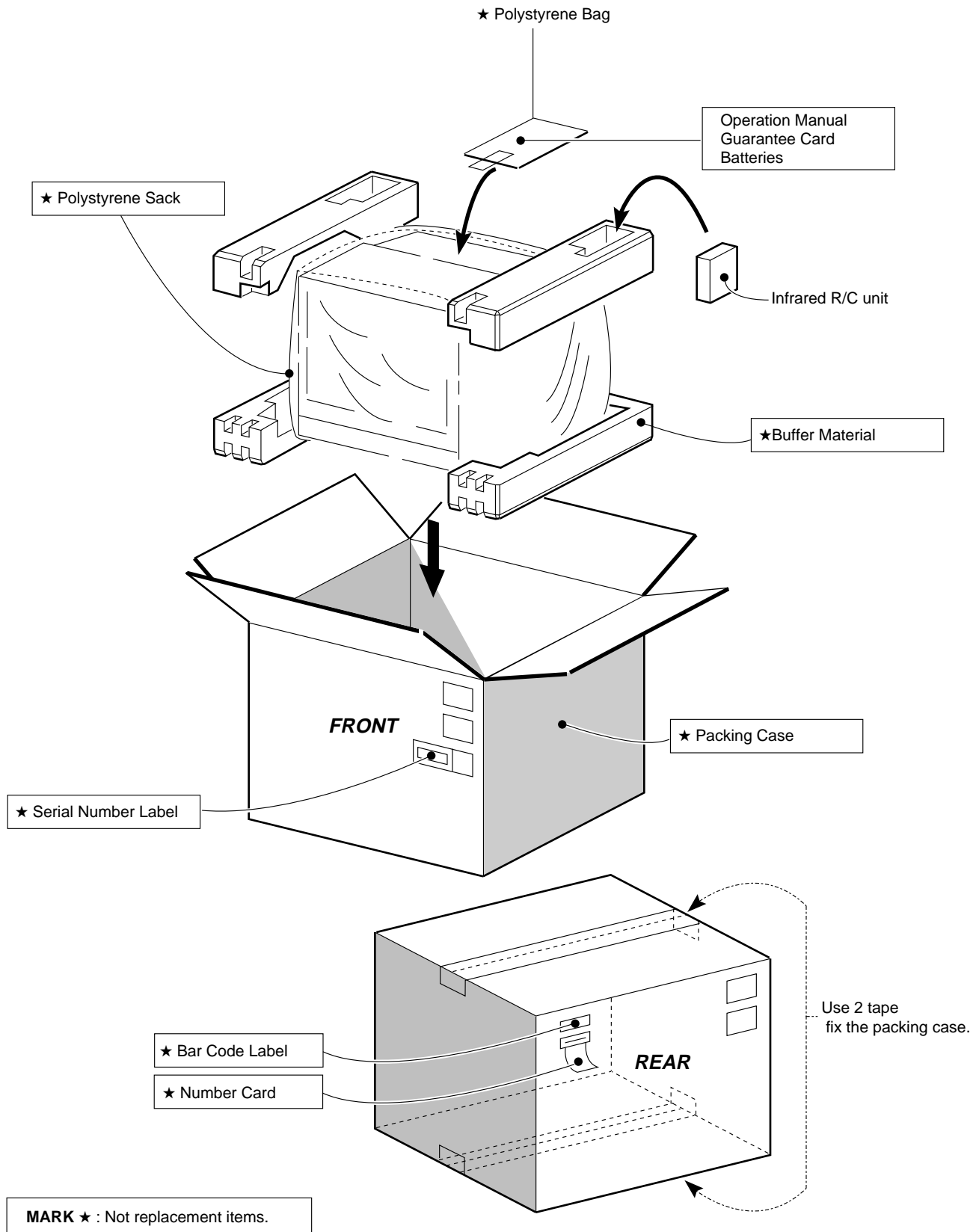
Ref. No.	Part No.	★	Description	Code
CABINET PARTS				
32K-X2000,CK32S60				
1	CCABA1305MES0	M	Front Cabinet Ass'y	BL
1-1	<i>Not Available</i>	-	Front Cabinet	—
1-2	GCOVA1040MEKA	M	Cover for R/C	AG
1-3	HBDGB1009MESA	M	Badge,"SHARP"	AD
1-4	JBTN-1105MEKA	M	Button,(Power, Vol-up/down, CH-up/down)	AE
2	GCABB1139MEKA	M	Rear Cabinet	BF
36K-X2000,CK36S60				
1	CCABA1306MES0		Front Cabinet Ass'y	BQ
1-1	<i>Not Available</i>	-	Front Cabinet	—
1-2	GCOVA1040MEKA	M	Cover for R/C	AG
1-3	HBDGB1010MESA	M	Badge,"SHARP"	AD
1-4	JBTN-1105MEKA	M	Button,(Power, Vol-up/down, CH-up/down)	AE
2	GCABB1141MEKA	M	Rear Cabinet	BH

— End of CABINET PARTS —

CABINET PARTS LOCATION



PACKING OF THE SET



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